



#8

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<110> Rosen et al.

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<130> PZ011

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<141> 2001-02-06

<150> 60/180,909

<151> 2000-02-08

<150> 09/669,688

<151> 2000-09-26

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<151> 1999-01-14

<150> PCT/US98/14613

<151> 1998-07-15

<150> 60/052,661

<151> 1997-07-16

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gcccctaact ccgcccagg ccgcccattc tccgccccat ggctgactaa ttttttttat	180
ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagttagt gaggaggctt	240
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 cagttccgccc cattccgc cccatggctg actaattttt tttattttatg cagaggccga  
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180

240

256

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 gcttttctac ttggccgcct ctcactgctc ggtgtactgg gagggtaacc tggtggcggt  
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ctgtcagatc	tggaaaaggc	ctgaggaATC	tgatacatGA	cttaatgcAG	cgtataCTG	360
cagCCTGGAA	aactaAGTA	tgacaaaATA	gacattCTTG	tcagtgtGAG	ccattCTCTG	420
agtCCmaggg	gagtaCATAA	ttcaaaCCAG	aattggTCAT	tttggagTTT	gcactCTTAG	480
cagtatacag	tggagtGAAA	tttaagaATC	aatttaATTt	ctttcAGTT	tttatgtaca	540
taaaacCTGc	ttactacaAG	agacCCAGT	tattatTTG	tgttggTTAA	cattcataAG	600
tatatttcat	cataataAGG	ctccgtGAAA	ttagtCATTT	tatcatttgc	caataaaAGAC	660
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&lt;211&gt; 838

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 13

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atcattatgt	gaacATTGTC	ttccgtcCAC	atctayAGGC	tagtawgtAA	caccgttgac	360
taaaatccaaa	ctttaggcta	gggaaaaAGG	gtataCTTC	tgggttCgg	ttttagatta	420
tgttagATC	taayaaaaAC	aggacAGTGG	tccaaACAGA	aaattGCTAT	tttctgtATC	480
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cccagcaagg	aaaggGTGTA	tcttCTTCT	ttcatgCAA	ttatCTATGA	tgacctaaca	780
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&lt;211&gt; 513

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14

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cgttCTGGC	caaaaggCTG	gtttGTTT	tggTCACAT	tttCTTGTCT	ctCTGCGTTA	180
gaatCTTGG	ttagatGATG	gacatGGTGA	agatCTCAGC	aacCTCATTC	actagaAGAT	240
catgtggatt	ggaatCATAc	aatGGGGAAc	aaatGGAAAA	gagtaCTTT	gaaatAGTGC	300
tggagaccac	tgtgaccaca	gaatgtCAAG	acacGTGCTG	ccattactGT	tactATTG	360
aaaatacatt	cttgtaaATG	caacCTTAGG	gggttGAGG	gggaAGTCTG	ttgggAAATG	420
aattgcaaga	aaaatattAC	accCTGAAAA	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	480
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	actcgaa	513

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&lt;211&gt; 712

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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cctgctcatc	ctgctggccc	cgctggccct	gtggcccatt	ctcctgttagg	gacgcccagc	360
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<400> 16

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taamatacaa	aacttcccc	agtcaactggc	cgcaggctg	agttggggga	tgtgttacat	180
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ttttactaag	ttacccacat	tctgacactc	cttgacagtk	ttaagatctt	cttctaacac	180
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tcytaaaaar	tgacccttkgr	gcaattyat	aaagaataaa	tatttcttagt	tttttgttgc	600
tgaactgcta	aaagatggtt	ctatacatgt	aacaggtggc	tttagttggg	ttgctttcac	660
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aaaaaaaaaaa aaaagggcgg cc

742

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ttccagctt cattttcac tgagataatg gtatgtatag tactgaccc tcataatgtgtgc	180
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agaataaaact ttagtgccaa atggaaaata atttttaca agtaaaatgg aagaacaatg	660
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ctgggttccag gtaactcatg agctttgttag ctcccttct ctcagacccctt ccaaggaaga	540	
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gggcaggccc ggacacagt ggtcacacct gcaacctgta atcccagcac tttgggaggc	660
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<210> 24  
<211> 532  
<212> DNA  
<213> Homo sapiens

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catggaaagt cagctgagaa tgggttggga gcccaggtgc gctgtcttcc gccctgcct	480
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<210> 25  
<211> 920  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (907)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (914)  
<223> n equals a,t,g, or c



&lt;400&gt; 27

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&lt;210&gt; 28

&lt;211&gt; 699

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 28

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&lt;210&gt; 29

&lt;211&gt; 1637

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (726)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (727)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (728)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (899)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (901)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 29

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aaaaaaaaaa	aactcga					1637

&lt;210&gt; 30

&lt;211&gt; 2142

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 30

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<211> 1564  
<212> DNA  
<213> Homo sapiens

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<211> 1631  
<212> DNA  
<213> Homo sapiens

<400> 32

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<210> 33  
<211> 978  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (27)  
<223> n equals a,t,g, or c

<400> 33

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<210> 34  
<211> 898  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (402)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (452)  
<223> n equals a,t,g, or c

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<210> 35  
<211> 754  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (311)  
<223> n equals a,t,g, or c

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gcaggcatca gtacttctgg ttctgtatggc ccggggatttt ctaagtagta gtgagttctca 480
gcattatttg ttatacagtc tactgttaga tgaacaaggc taagtctaca gagaaggtaa 540
attataaaaa tttagcccccg tctctgtctaa gaataaaaaa aatttagccgg ggcgggtgg 600
ggggtcctgt ggtcccagct actcggggagg tgacgcagga gaatggcgtg aacccggggag 660
gcggagctg cggtggcccg agatacgccc actgcagtttgc ggcttggcggaaagagcgag 720
actccgtctt aaaaaaaaaaaa aaaaaaaaaact cgtt 754

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<210> 36

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (483)

<223> n equals a,t,g, or c

<400> 36

gaattcgac cgagcggcac gagccaccc ttcagtcac tctatggta tgacagttt  
tctgtgaaa acccatcctt gcttcttgt tgcctaccag atgcaggctg cactcataat  
cctccccc ggactcagga acagcaagac tgttactatg ccattgtccc ctgccctcc  
tccccccctc ctttttttc cctctccac tcccttctt caccctttc ttctgttt  
atgctgcttc aagtattaaat tttaaaattt tgttacaaga atgcgattt tcagaaggat  
gtgaaccaag cagaatttct tagtatttct ttgccttagg gcattccct tgggtggktt  
aaaatttgc ccccatcctt tttgcctgt gaaacttatac cttattctt aagagactcc  
tamtcctaattt agacatttga atttaacctc cctggtagtt ctttcagcc aaatttcacc  
tttnctgaaaaa caggattctc tggttccat gtctggctaa tttttgtatt ttttggtggag  
acaaagtctc actatgttgc ccaggcagg tctaaacacc tggccttaag ccatcctcc  
accttggcct cccaagtgtc gggattataa gcatgtgcca ctggacccag ccagagaccc  
tgtctcttta aaaaaaaaaaaa aaaaaaaaaaa aaactcqta

<210> 37

<211> 971

<212> DNA

<213> Ho

<400> 37

gccaccgagc	cgcagttcct	gggtcgcgca	gcagctgtga	gcgcccgaggg	caaggccgtg	60
cagaccgcca	tcctggcg	cgccatgagc	gtgggtcg	cctgcgtgct	cctgacccag	120
tgcctcaggg	atctggcgca	accccacgg	ggcgccaaga	tgtcgacca	cagggagagg	180
ctgaggaact	cggcctgcgc	cgtgtctgaa	ggctgcaccc	tgctatctca	ggctttaagg	240
gagaggtctt	cggcccaggac	tttaccgcca	gtgaattcca	attctgtgaa	ttagcaccccc	300
accccccatac	cccttcttcc	accccccagac	taaaggaaga	tacttactct	ctgccccct	360
ccatttatac	caaagaaaatc	ataggtgaaa	ccccctaccc	tccccaacgt	taaatgctcg	420
agaggaatct	tccacaaggc	agggccatgc	acgcaacctg	cacacgcact	tggagggccc	480
aggtgtctct	ccaccagccc	ccatgcagta	gggactggaa	gatatgtcat	ctgctgggtg	540
tgttatcact	cccacccccc	accccagccc	gtsttccgga	atttctcaac	taaatttsat	600
tattgggcag	gaaggaggtc	atgggttcat	ttcattttq	ttttttgtqt	tttaattaa	660

aagaaaagggtt acctcagttt tcactcccta gacatggatg tagctacctt tttttgtatg	720
tctttttttt tttaagcaat cgtgttgaat taggagtata cttgggtgtgg aaagagtatg	780
aatttgcatt gtgatttgca aatgggggaa agctactgtg agcgtgtgtt ttttaattt	840
acactataga gtgattttt tttccccaa cgtaagttt ttaccttgca tgtactggag	900
tatTTTATTTC atctattaaa atgttatgtt tctcagaaaa aaaaaaaaaa aaaaaaaaaa	960
aaaaaaactcg a	971

<210> 38  
<211> 872  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> n equals a,t,g, or c

<400> 38	
tngcagttct ccacacccaa gaggacggtg ggccccaaca gacaggcgat taatgcggct	60
cttaccagg caaccaggac tacagtatac atttgtggaca ttcaggacat agattctgca	120
gctcggggccc gacctcaactc ctacctcgat gcctactttg tttccccaa tgggtcagcc	180
ctgaccyttg atgagctgag tgtgatgatc cggaaatgatc aggactcgct gatgcagctg	240
ctgcagctgg ggctgggtgt gctgggtcgg caggagagcc aggagtcaga cctgtcgaaa	300
cagctcatca gtgtcatcat aggattggaa gtggcttgc tgctggtcct tgtgatcatg	360
accatggcct tcgtgtgtgt gcgaaagagc tacaacccga agcttcaagc tatgaaggct	420
gccaaggagg ccaggaagac agcagcagggt gtgatgcctt cagccctgc catcccagg	480
actaacatgt acaacactga gcgagccaa cccatgctga acctccccaa caaagacctg	540
ggcttggagt acctctctcc ctccaaatgac ytggactctg tcagcgtcaa ctccctggac	600
gacaactctg tggatgtgga caagaacatc cagaaatca aggagcacag gccaccacac	660
acaccaccag agccagatcc agagccccctg agcgtggtcc tgtaggacg gcaggcaggc	720
gcaagtggac agctggaggg gccatcctac accaacgctg gcctggacac cacggacctg	780
tgacaggggc ccccaactctt ctggaccctt tgaagaggcc ctaccacacc ctaactgcac	840
ctgtctccct ggagatgaaa atatatgacg ct	872

<210> 39  
<211> 608  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (16)  
<223> n equals a,t,g, or c

<400> 39	
ccatacgcac accgcntctc cccgcgcgtt ggccgattct tatggcagct ggcacgacag	60
gtttcccgat ggaaagcggg cagttagcgc aacgcaatta atgtgagttt gtcactcat	120
taggcacccc ggcttacac tttatgttcc cggctcgat gkgtgtggaa attgtgagcg	180
gataacaatt tcacacagga aacagctatg accatgattt acgccaagct cggaaattaac	240
cctcaactaaa ggaaacaaaa gctggagctc cacgcgggtgg cggccgctt agaacttagt	300
gatccccccgg gctgcaggaa ttccggcacga gttgggtgg agttccaag gtgaaagttt	360

ctgaatttgt caatcagtga cgccttgta aagatggctc atgtggtgt cgctcgcaat	420
aatgcctga taaggccttt tctgtttctt ttgcactgtg taagttgct cccatgcct	480
ggggaaagtta atatcagaca cacactttt acggtagaag agaggttgc tactccaagg	540
gcactgaaaac tctcactgag ccttattgtt tctctacacg cgamttgcag aaagcaggag	600
tgctcgta	608

<210> 40  
<211> 855  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (850)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (851)  
<223> n equals a,t,g, or c

<400> 40	
ctgtaatgc acacaactca gaactcttca gcatttgtt gattccttac ctctggctga	60
taaaactcta atgggttgtg gcttactttt tttccatttt ctttggcttt gtgcaatttt	120
tgtgtactt tacttgtacc tatattttctt gttacagtt ctttttaagg ggaggggttag	180
ggttctaga tcttgttgg tattgttagat aaaaattttt tcgtgttgta gaaaagcatg	240
ggttatgcgt ttgactgaaa aagacactgt attattttacc aaagggttat tggttttgc	300
tttggttata aatgcattat tttggacttg taaattttgga cataattttctt gagtttatta	360
ctactggcat tttctttttc cttttttttt ttttttaacc gtaagtgcac gatgcagggtg	420
cataggcccc agaccaaact agaccacccat catgttcatg tccagacccgc ggcagtggcg	480
tgcactgctt gtgcacccca gttcctccag tgggttttgc tttgtttttt aattcagcat	540
cctgctgggtt ttactttcca agcaagatct gttgcgactc ccaaatgcgt ttaatgagc	600
tcatccttat ttgcctttct tcttacgtat tttgtgtatt agattgtgc gggagatattc	660
tagaaggcat taatggtttg cattcaaaac gatgtgggtt gtccaaatgta tttctgtct	720
ttattactga gacggattaa tctccttatt ttttcttgc tgatttgc gggatattc	780
tgtccagcta ttgcttaata aaattttgca gatcaaaaaaa aaaaaaaaaa amctcggggg	840
gggccccgggn nccca	855

<210> 41  
<211> 1042  
<212> DNA  
<213> Homo sapiens

<400> 41	
acggccccgtt atccccgggtt cgayccacgc gkccgtgtt cctagaaggt cgtgtcacgt	60
ggAACCTCTT aatctcagca tccggagctc caggaaggga aaatttcaag tcagatagaa	120
ttctatataat accattttctt tggAACCTTC agccctcaag attccaaat catgacccca	180
gtttcaacac agttgtccctt agtccctcatg tcactgtttt tgggtgtgcc tgggtgtggaa	240
gcagtagaaag ccgggtgatgc aatcccctt ttgttaggtg tgggtctcag cattacaggc	300
atttgcctt gcttgggggtt atatgcacga aaaagaaaatg gacagatgtg actttgaaag	360
gcctactgaa tcaaaacctca ccctgaaaac ctttgcgtt tagaggctaa acctgagmtt	420
tgggtgtgtga aagggtccaa gaatcgttata ataagggtt ttcacatttt tcattgtttc	480
catgaaatgg caacaaacat acattttataa attaaaaaaa aaatgtttc ttacaaacaa	540
ataatgcaca gaaaaatgca gcctataatt tgcttagttt gtagtcaaag aagtaagatg	600
gctgaaattt acataagttaa tatttcataa tctttagaatt ctctcaaagc atgtgaaata	660
ggaagaagga agttcttgcc cagaatcttta ggaatcacc actgttcggt tataatcact	720

gcctcctgaa tcgtttagga gtctttaaa ttagatttt gtttggtgt ctcccaagtt	780
aatattatat ttagatatac gagagttagg yaaaaaggaa aactttatc tctagggaaa	840
aaacatttag aaaaatgtat tcagtgtatc taatactgaa atgcggaaaa aaatthaatg	900
ttaaaaaaaaa actatagaca ttgacatgaa aaagagattt aatgtttga aaaaaaactt	960
tatattaact gagtaacatc ctcctgatgaa gaagtactat attaaatata aaccattat	1020
gttataagtt aaaaaaaaaa tt	1042

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<210> 42
<211> 702
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (515)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (614)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (673)
<223> n equals a,t,g, or c

```

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<220>
<221> SITE
<222> (677)
<223> n equals a,t,g, or c

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<400> 42	
gggacaaatga actccttctg gtctaaggta ttgggtgtgc ccctgctggc tccgctgtcc	60
atggcccggag cctctgcctg tcagagatgg tagagccacc aggacatgga gtcattgtcg	120
acacagggaa acatgagatg tcttaggttt ggtgtatgtg aaacatgcat gagaaataga	180
ggccaaaagt tccactgtgg agcgcagaca gaatggcttg aatgctcttg cagttactac	240
gtcagtagtt tgtcatctaa tatatatattt acatctataa cctatgtatt taccttattt	300
tgataatact gttttgtttt gtttttttc taattttgc ttgtgcaaag ccaaattccct	360
ttcagcagca ttgagctaaa aaaaaaaaaa agtgcattt tagggctggg cacgggtggct	420
catgcctata atctcagttac ttccggaggc cgaggcaggc ggatcacaag gtcaggagtt	480
cgagaccagg ctggccaata tggtaaaatc acgtntctac taaaaataaca aaaatttagct	540
gggcattggtg gtgggtgcct atagtcccag ctatgcggga ggctgaggca ggaaaaaaccg	600
cttgaaccct ggangcggaa attcccagtt gagccaagat cgcccaactg cactcccagc	660
ctgggttgaca gancganact cttgtctcca acaaccagca ac	702

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<210> 43
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (593)
<223> n equals a,t,g, or c

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<400> 43

aattcggcac	gagcggcggg	gtcgactgac	ggtaacgggg	cagagaggct	gttcgcagag	60
ctgcggaga	tgaatgccag	aggacttgg	tctgagctaa	aggacagtat	tccagttact	120
gaactttcag	caagtggacc	ttttgaaaagt	catgatctc	ttcggaaagg	ttttcttgc	180
gtgaaaaaatg	aactttgcc	tagtcatccc	cttgaattat	cagaaaaaaaa	tttccagctc	240
aacccaagata	aaatgaattt	ttccacactg	agaaacattc	agggtctatt	tgctccgcta	300
aaattacaga	tggaattcaa	ggcagtgcag	cagttcagc	gtcttcatt	tcttcaagc	360
tcaaattctt	cactggatgt	tttgagggggt	aatgatgaga	ctattggatt	tgaggatatt	420
cttaatgatc	catcacaaag	cgaagtcatg	ggagagccac	acttgatggt	ggaatataaa	480
cttggtttac	tgtaatagtg	tgctgttcat	ggaaaccgag	ggctgcatct	tgtttatagt	540
catctttgt	ctgtaatttg	atgtacacaa	cattaaaaatg	actgacacct	ganaaaaaaaaa	600
aaaaaaaaaaa	aaaaaaaaaa	aaagcggccg	ccgaattaag	cc		642

<210> 44

<211> 1219

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (26)

<223> n equals a,t,g, or c

<400> 44

aattccccgg	tcgacccacg	cgtcnntaa	aatccccaaa	ctgacaggtt	aatgttagccc	60
tcagagctca	gcccaaggca	gaatctaaat	cacactattt	tcgagatcat	gtataaaaaag	120
aaaaaaaaaga	agtcatgctg	tgtggccaaat	tataattttt	ttcaaaagact	ttgtcacaaa	180
actgtctata	ttagacattt	ttggagggacc	agggaaatgtt	agacacaaa	tcctccakct	240
cttcagtgtt	cctgtatca	cctcatgatt	tgctgttact	tttttaactc	ctgcgcacaag	300
gacagtgggt	tctgtgtcca	cctttgtgt	ttgcgaggcc	gagcccaggc	atctgctcgc	360
ctgccacggc	tgaccagaga	agggtctca	ggagctctgc	cttagacgc	gtgttacagt	420
atgaacacac	agcagaggca	ccctcgatg	ttttgaaatgt	tgccttctga	aagggcacag	480
tttaaggaa	aagaaaaaaa	atgtaaaact	atactgaccc	ttttcagtt	ttaaagggtc	540
gtgagaaaact	ggctggtcca	atgggattt	cagcaacatt	ttccattgtct	gaagtggggt	600
agcagctctc	ttctgtcagc	tgaatgttta	ggatggggaa	aaagaatgcc	tttaagtttg	660
ctcttaatcg	tatggaaatgt	tgagctatgt	gttggaaatgt	ccctggttt	aatccataca	720
caaagacggt	acataatcct	acaggttaa	atgtacataa	aaatataatgtt	tgaaatttctt	780
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gatgcacttt	aggatgtttc	ctatttttta	aatctgaaca	tgaatcatcc	acatgaccaa	900
aaattgtgtt	tttttaaaaa	tacatgtcta	gtctgttctt	taatagctt	cttaaataaaag	960
ctatgtatatt	aatcagatca	ttaccagttt	gctttaaag	cacatttttt	taagactatg	1020
tttttggaaa	aatacgtac	agaatttttt	tttaagctac	aaataaatga	gatgctacta	1080
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ccccatttga	atttgtatga	ttcaataaaaa	gaaaacacca	agtaagttat	ataaaataaa	1200
aaaaaaaaaaa	aaaactcga					1219

<210> 45

<211> 437

<212> DNA

<213> Homo sapiens

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<220>
<221> SITE
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (437)
<223> n equals a,t,g, or c

<400> 45
gaattcggca cgagggcgcc accagggagc ctgggcgccc ggggctccgc cgcgacccca      60
tcgggttagac cacagaagct ccgggacccct tccggcacct ctggacagcc caggatgctg      120
ttggccaccc tcctcctcct ctccttggc ggcgtctgg cccatccaga ccggattatt      180
tttccaaatc atgcttgtga ggaccccccgcagtgctct tagaagtgc gggcacctta      240
cagaggcccc tggccggca cagccgcacc tccctgcca actgcacctg gtcacaaaaa      300
agagtgcacaaatgcttct attccatagc tacggcatttgcactgtaagt tgaggtcaaa      360
aataaaggaa tcatacatct caaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa      420
annaaanaaaa aaaaaan                                         437

<210> 46
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (305)
<223> n equals a,t,g, or c

<400> 46 .
gaattcggca cgaggaccct atcttacaaa aaagaagaag aagaagaaaa ccatgacagg      60
tgtcttaag ctgccttgc tttctgggt tcatgaagca tctgtggag gttgccata      120
tgtaaaatta gttgagttt aagaaatgtt aacgttatat ggtattttt taattttgtt      180
ttaaaaataaa ttttctcat tcaaattcctg aattagaagt tgtttggat aaatattgaa      240
aattgtttag gggagaattt attcaaagtt taatcatttgccttatactt gtataactta      300
gctantagtt actgaaagtgc tcaagtttta ttttagatc ttaacttagag tctaaagtaa      360
ttactaaaag ctagtttca aataatatgt aagagtaaag tcctgagttttaaaagatttag      420
catactgaat taacttagtt gactgatgct gtacttacat gggcctccta tttcttgg      480
ccaaagatagc atcaacagaa aaaaaamaaa aaaaaactcg agggggggcc cgg      533

<210> 47
<211> 1849
<212> DNA
<213> Homo sapiens

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<220>  
<221> SITE  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1300)  
<223> n equals a,t,g, or c

<400> 47

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gtgacctcca tctgttgct gtcataaccc gacacggact tattttgtc attagcaagg	120
ggggaaaaggc caaaggacaa gggccttcc tcccatttgtt tttcctgtgg gcagaagggc	180
ttaggaagat ggccccagcc gttggggctg ctgggtcacc ancagygggt agggtgcaat	240
ctgggtgtgt ttcccagcgt gagacgggtt tatttgtaag gtggcattca tctgcggacc	300
aaaacccagc catcggggaa gggtcagggc ttctgtggaa cttggAACGT gccaggacca	360
cctgcaaaag ccagggtgcg ttgatcatc tcagatcatt gattggcctc cacttggta	420
tgtgaattat tcatgtccca gaagacaaaa aagtgetctg gttctgagat gagtatttt	480
ttcgtgttct gtttccgaaa cacttagaa agaaggtcac agtgcgttgg agtcgcgcga	540
cccatcttgc aagatagcca gtgtccctgg atgaggtgat gatttcccg cccaaaggact	600
ctgtgaagtt tagagtagcag tttgttgggg tccaaaagac accatctcta cccccacccaa	660
ataaaaaatgc actcatctc ttagaacatc tgctgtcaaa gcccaggctg tctgttagggc	720
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agcaattcac tagacaatct tcacatgaat gtccgttagcc agggctctc cccgaggatg	840
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gcgcgagatg cagctagcac ctttcatacatc catccccgtt ctcagccggg caacaccatg	1020
gacagccgtt ttccagacccct ccagcatttgc cacaccacta ctcaccctct ctgctgtgg	1080
catgttggta gagtcatccc tgtaatcaag aaatggcctg tggaaatgtt ttgttcaacg	1140
ttgtttagcag ctcttaaaaatc atggtgagga atgcctaagt ctttagtgacc aaacgtgacc	1200
ttgaaagcag acatagcatc acagacccctc ctagagtgtt tggcgggtt cacagtgacc	1260
gagagtccagg tccagcacac accttggaaa gggatgctgn cccaaaggggg accaaaagg	1320
ccggacgtt cagggtgaaa ccctctgacc cctcgcgaca ccgttagact tgactttgt	1380
tttagctttc taagaaatag atcatggac caagtgaagt gcaacttgc aaatgttaagg	1440
gtctgttttgc ttctttgtgc ttctgtttt tttaaacctt tttccgc当地 tttaaaaaaaaa	1500
aaaaaaaaaaa aagcttatgt ttcttgtaa atgcagaaat gttccctccg ccactcactg	1560
aagttttgcata ttctggcttgc tgcaatgtt attgtctgtg tcagacgtac agccagacat	1620
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ccgccacctg tactcacccct cacgtctttt gaagaaaaaaa aaaaaaaatca ccttgtgtgt	1740
tgtagctcat ttgttcaag agagaatcaa cagatcatat tcagtgtctt gaataaaatttgc	1800
ctctattttgc atatttagaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa	1849

<210> 48  
<211> 926  
<212> DNA  
<213> Homo sapiens

<400> 48

ctcaaccaca actagaattt gcacaatata agcttggaaac gaaattcaaa agtggtttaa	60
atgggagcat cttggctgag aggaaagaac ccctccgatg cctaataaaag ttctcttagcc	120
cacatcttctt ggaagcatttgc aaatccttag caccagcggg tattgcagat gctccacttt	180
ctccactgtc cacttgcata cccaaacaaga gaatgaatta tttttaaaattt agagataaaat	240
aagacgtgcg tggtttcttgc agcacagctc ctcccttcttgc atattgcaca tgcacttcag	300
ttcatggcttgc gctgtatagc ttccgtctgtt aaacttgtat tttcaagaat ccttggattt	360
gaatttttag aaatgtctcataatgttgc ggactgttccatc attcccttccac gatatgcctc	420
ctctctctgttgc tatcctgttgc actgttagccg ttgtggcatt tgagatgaca ggacatataat	480

atatatggcc ccacacttga ccttgagtgc ctgaatgctc taaaatcaag catatggcac	540
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aaaaaaaaaaaa aaaaaaaaaaa ctcgta	926

<210> 49  
<211> 1593  
<212> DNA  
<213> Homo sapiens

<400> 49	
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cattttctct ttctttctcc ctcttgagtc ctcttgagat gatggctctg ggccgcgg	180
gagctacccg ggtctttgtc gcgtggtag cggcggtct cggcgccac cctctgtgg	240
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cgctggcgcc cgctgcgggg caccctggct ctgcagtcag cggcgcccg ggaatctgt	360
acccggcgcc gaataagtac cagaccattt acaactacca gccgtacccg tgccgcagg	420
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gagaaattga ggaaaccattt actgaaagct ttgttaatga tcatagcacc ttggatgggt	660
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<210> 50  
<211> 978  
<212> DNA  
<213> Homo sapiens

<400> 50	
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caacaacttc ccgcacatcga tgcgtcgat ctctgtgtt ggtccccat tygtcttctt	420

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ggaaatttct	t	tttatagta	ttggataaaag	tttgggttt	ttacagagga	gaagcaatgg	600
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<210> 51  
<211> 433  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (424)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (431)  
<223> n equals a,t,g, or c

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	ctacctgaga	tgtgttattt	tttagaaata	tctttattga	tggctttgc	actcaatata		240
	aaggcagcat	atgggtgtt	caatataaaat	ggtacagaag	tccacagagc	aaaagggcca		300
	gtttctgtcc	ccttccctct	ctccaggcct	ctttctggga	ccccattatt	ggatagatta		360
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<210> 52  
<211> 861  
<212> DNA  
<213> Homo sapiens

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	cccttccctgt	ttttctttc	ctcttgcct	ttcttaatgt	ctgttctat	tggcttctt	300
	atcttggtct	ttaatgttca	tccttaagct	tgcttctctc	ttcagactac	tgattcagcc	360
	tcttgcattt	tcttcaact	tggccaaaa	aaacaggcaa	cattttcttc	ctccactacc	420
	tcatcatcat	ccaatttatt	ccttagttt	atattaccac	aactctccta	aacgtcccaa	480
	gtcttattt	aagtctaaca	acttagctc	gaacctcaat	ccaagcatct	gacaacacac	540

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cactttggga gcccaagggtg ggatcacctg aggtcgggag ttcgggacca gcctggccag	660
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tgtcatccca gcaaggcagg cgaatcgctt gaaccggga ggcggagggt gccgtgagcc	780
gggatcgtgc cattgcactc cagcctggtc aacagagcga gactccgcct cattaaaaaa	840
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<210> 53	
<211> 510	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> SITE	
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<223> n equals a,t,g, or c	
<220>	
<221> SITE	
<222> (396)	
<223> n equals a,t,g, or c	
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cccacgtttt atttcccttc agagctgtga atgggcaggt ctgtctctgg ttggcataca	180
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<210> 54	
<211> 309	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> SITE	
<222> (301)	
<223> n equals a,t,g, or c	
<220>	
<221> SITE	
<222> (305)	
<223> n equals a,t,g, or c	
<400> 54	
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tcaatctttt taaaatcaac tttaacgaat tttaacctat tttaagtgtt caagtaataa	180
gtttgacaat tgtatgtgac ttctaccaca ataaaatata gaacatttt atcattctat	240
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ngtancgtc	309

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<210> 55
<211> 1585
<212> DNA
<213> Homo sapiens

<400> 55
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gtaacttcca ggtttatatac aatatgagct gactttaact gagttgttg ggataggaa      180
gaagcagtcc ctctacagta tacaactact gctgccagc tggatcaaaa taatcatgtt      240
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tgaactggaa gtttcttga aagctgcctc atctattaag aagcaatttt caaattgttag      360
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agtaaagaat cttcttaggg gaaacattt tgcttttagg gataatcttc cttgtgcctc      540
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caaattttact tttaaatttattt attttagata cggtgtaaaca tgtgcaatttca agaataattt      660
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aaaaaaaaaaa aaaaaaaaaaaa ctgcga      1585

<210> 56
<211> 874
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (546)
<223> n equals a,t,g, or c

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ggagaagctg gagaggagat ggccaatgccc atgacacagg ccacatcgtt ggccctgcag	420
cccttacccc tcaagaccag gctcccctgg cccagctct ggcccncc caggtacctg	480
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ttgatggaga acagtttcca cctgtggca attggccctt ggggctctgc tgatacatgc	720
caaagaggag caaggcaatc agaggggctt tgtcaatag cttctgcattc cgagctcccg	780
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<210> 57  
<211> 1169  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9)  
<223> n equals a,t,g, or c

<400> 57	
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tccccctcaa taatttagtat gacaattcac gatacagctc ttactctggg agagtttatt	180
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ccccaaagaat ttatagattc ttcttataaa taataattta aaaaataactg caccttaaga	360
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<210> 58  
<211> 1066  
<212> DNA  
<213> Homo sapiens

&lt;400&gt; 58

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cagaacatat	tcattctac	tgtaaattct	atttgctgct	tccaaagggtg	atgattttca	180
agcagacatg	ttctatatgg	tctgtgttt	aggatctggt	gcccagcctc	tatcagagct	240
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&lt;210&gt; 59

&lt;211&gt; 772

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 59

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&lt;210&gt; 60

&lt;211&gt; 1198

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1189)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1191)

&lt;223&gt; n equals a,t,g, or c

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acaatcctaa attgttaagat gttacaaaaa acagtgaagt aagagtactc ctgaagacta	240
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aagtgttaagt tgaaaACCAAG ttgcAGTGGG aaatCAAAGG tgaggtagct tatttGAAAC	420
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gcaaggacta gcggTTCTCA aagCCCTCT tttcAGTGT tctcATTcAC cttGGCACCC	540
aagtatgttt aacaggccat gcattaaaaa taaatacAAA aatataAAAG ccgCTTAAAG	600
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ttgtgtaaaaa actgatgtAA tatgtgtatG aaACACTGtA tGTtattatCT gtATATAGtG	1080
tgacaaaATC atTTTCTTT CTTTCTTTG gatgtattAA taaatCTTGC tGTGAAGtAA	1140
aaaaaaaaaaaa aaaaaaaaaACTC gagggggggc ccggTACCCa ataACCCTNT natGATCT	1198

<210> 61

<211> 558

<212> DNA

<213> Homo sapiens

<400> 61

ctgcaggaat tcagcacgag ytggcatgtg acaacccagg gctgcctgaa aatggatacc	60
aaatcctgtA caagcgactc tacctgcAGG gagAGTCCT cacCTTcatG tgctacgaaG	120
gctttgagct catgggtgaa gtgaccatcc gctgcATCCT gggacAGCCA tcccactgga	180
acggggccccct gcccgtgtgt aaagtAGCAG aAGCGGcAGC agAGACGTcG ctggAAAGGG	240
ggaacatggc cctggctatc ttcatCCGG tcctcatcat ctccttactG ctgggaggAG	300
cctacatTTA catcacaAGA tGTCGCTACT attccAAACt ccgcctgcct ctGATGTACT	360
ccCACCCtA cAGCCAGATC accgtggAAA ccgAGTTGA caACCCcATT tacgagACAG	420
gggAAACCAg agAGTATGAG gtttctatCT aaAGAGAGCT acACTTGAGA aggggACTtG	480
tgaactcaac cacaatCTCC tcgagggggg gccggTACCC aattcgsCCT atagtGAGtC	540
gtattacaat taatggc	558

<210> 62

<211> 616

<212> DNA

<213> Homo sapiens

<400> 62

gaattcggca cgagtcttga cagcctggc accaAGGGTT tggAAAAGG ttctatttGGA	60
gtggagATTt atgggtggAA aaaggAGAGA ggggAGTTGG acctgataCC aaAGAGATGT	120
tttcAGGCCAT caaccAGCTG caAAACAAGA tggcttCCt tttcctACAT attCTTCCAA	180
gcatcataAA tactcggTCT gctccccAAc ccACATCCTG caggATGcAG ccAGAGCAAC	240
agccccACTC cactCTgAAA ccAGTcatCC tagggatGAT gatCATTCT tagCTTCCCT	300
gttggaggTC ggttggggTT ggCTGATCGC tgcttggTTc actcctGCAC tggctggcG	360
ttggctgcat ggtAAAGCTG ttccCTGTCT catcCTGTTG ggataAAACAG agtATCCTAG	420
gcatatTTTc tccAGAGCAG tggcAGACAC AAAGGGTCAA cAGAAACCCt CAAGGTTTG	480
tcatGCCTAC tCTTGCAct AGCACATGT cattTCAGCC tcatGCTATT gACCAAGAC	540
agtcaCTtGA ccaaATTCAA AGCCACAAAAA ctcgtGCCGA attcgatATC aAGCTTATCG	600
ataccgtcGA cctcGA	616

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<210> 63  
<211> 811  
<212> DNA  
<213> Homo sapiens
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<400> 63							
gaattcgcca	cgaggagctt	ccatctttc	tgatgtgagt	ggtgtcagga	atgactatgg		60
tgggtgttagt	ggcagtgccg	atgggtttct	ggaggctgaa	aggttaaat	cccaatgcag		120
aagtgtatgtc	agggctatgt	ggtggcggt	gcaggtgcag	taaagtca	ttcagatgt		180
tcaatggta	ctcccttc	gtgttagtcc	tacagcatca	tttcagactt	tgttcttgg		240
gcttagtcc	aaggcttc	ctccctgtgt	cctgtcagg	tgtgtccact	atgatggagc		300
aagaccctgt	catctatgt	gatgatgacg	acttgcctaa	ttattttct	gtttaagcta		360
gccatagtgg	atccctgttat	ttgtgcctaa	gagctcttac	tgacaaaagaa	cgtgttaccg		420
gaagtggat	gctacaagta	acaacactaa	aagttagaatt	gactaagtgc	agcaggcagg		480
ccttgagca	aggaggggac	acacattaca	ggctggaaag	ctggtgactc	ttgtaatgca		540
gtggcaaaat	tttgcttcaa	ctactatata	caatacttga	agatgcacac	tgcaagctga		600
gtgaggctgt	gataagaggg	gaaatagtgg	ggagcattca	gaatgttgg	ttacattgtat		660
gacttcttgc	tcttcagca	gtcttgatag	agcagctata	cccacaccag	agtccctccag		720
ctgacaagag	aggttaaggag	agaaactgct	ttgccaggag	ggccctctg	ctgcagctgg		780
aqgtccaagt	tqaccqagag	cccaaatttt	q				811

```
<210> 64  
<211> 993  
<212> DNA  
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (370)
<223> n equals a,t,q, or c
```

```

<400> 64
ggcacgagcc caaaagtgcgt ggattacagg gagttgatga aagtggagat gtttttagag 60
ctacctatgc agcattcaga tgttcccta tttctggct gctggaaagc catgggatcc 120
aaaaagtctc catcacattt ttscggagag gttagggggta ttatscccag ttttgggatg 180
ttgaatgtca ccctcttaag gagcctcaca taaaacacac gttgagattc caactctcg 240
gacaaagcat cgaaggcagaa aatgagcctg aaaacgcattt ccttccacg gattccctca 300
ttaaaataga tcatttagtt aagccccgaa gacaagctgt gtcaagargct tctgctcgca 360
tacctgacan gcagcttgat gtgactgctc gtggagttt tgccccagag gatgtgtaca 420
ggttccgtcc gactagtgtg ggggaatcac ggacacttaa agtcaatctg cgaaataatt 480
cttttattac acactcactg aagtttttga gtcccgagaga gccattctat gtcaaacatt 540
ccaagtgactc ttggagagcc cagcattaac atcaacatgc ccgtgcagtt caaacccgaa 600
tcccgccaggc aaatttgaag ctggcttgtt cattcaaaaca gatgaaggca agagtattgc 660
tattcgacta attgggtgaag ctcttggaaa aaattaacta gaatacattt ttgtgtaaag 720
taaattacat aagttgtatt ttgttaactt tatctttcta cactacaatt atgcyyttgt 780
atatatattt ttttatgtgg atatctataa ttgttagattt tgtttttaca agctaataact 840
gaagactcga ctgaaaatattt atgtatctag cccatagttt tgtaacttaac ttttacaggt 900
gagaagagag ttctgtgttt gcattgatta tgatattctg aataaaatatg gaatataattt 960
aaaaaaaaaa aaaaaaaaaaa aaaaaaaaaa att 993

```

<210> 65  
<211> 689  
<212> DNA  
<213> *Homo sapiens*

<400> 65

gaattcggca	cgagctaagg	tgggcggg	tc acttaagc	cctcg	gcctcaagca	60
atccctc	tttcc	caaagctatg	aaattgcaga	caggagccac	catgcctggc	120
tggttttgg	ggccatggc	aagtgcag	gc ttgtcagagg	aattggagaa	gcagggatta	180
gttagaaaaa	cctctcc	act tcttgc	ttt catgcc	aggatgtt	acttcagaac	240
ccgc	ccttac	taccatgtt	tgctcattt	acctactgtc	ccctgctgt	300
tagggagtgc	cttgagg	gagatcatgt	tagttt	ccctctctg	tacagagggt	360
ggagccc	agt acctggcaca	gctgaaggag	gaatgt	ctgctgtctc	tgtatttcca	420
ggta	cttgc	agccaagaca	aggaac	ttatgagat	tcatcttctg	480
agetctctt	atggagg	taccac	atgattgaat	atgaaaagtc	ttggcacagt	540
ggctcacacc	tgtatccc	acactt	ggccgaggt	gggaggattg	cttgaagcca	600
ggcattgaga	ccatc	ccaccaaa	agacccc	tctaca	aaaaaaaaca	660
aaaccaaaaaa	aaaaaaa	aaactcgta				689

<210> 66

<211> 942

<212> DNA

<213> Homo sapiens

<400> 66

gaattccagg	actgtggg	cccc	ctgcac	ctc	cgagagatc	ctgctccc	60
ggaccagcg	gt ctggg	ttt	ttcac	tc	acttc	tttttctt	120
agcagatggc	tcaagtt	ttt	tttc	ttt	gacagcc	gttctgaa	180
cctgc	cattt	ttgg	ctct	gtat	ttc	tc	240
aagcatta	actgt	ttt	ttt	ttt	actgt	gtttctt	300
ttctt	ttt	ttt	ttt	ttt	ttt	ttt	360
tttat	ttt	ttt	ttt	ttt	ttt	ttt	420
tttat	ttt	ttt	ttt	ttt	ttt	ttt	480
tttat	ttt	ttt	ttt	ttt	ttt	ttt	540
tttat	ttt	ttt	ttt	ttt	ttt	ttt	600
tttat	ttt	ttt	ttt	ttt	ttt	ttt	660
tttat	ttt	ttt	ttt	ttt	ttt	ttt	720
tttat	ttt	ttt	ttt	ttt	ttt	ttt	780
tttat	ttt	ttt	ttt	ttt	ttt	ttt	840
tttat	ttt	ttt	ttt	ttt	ttt	ttt	900
aaaggaattc	gata	tc	atcgata	cgtcgac	c	tc	942

<210> 67

<211> 2309

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (652)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (677)

<223> n equals a,t,g, or c

<400> 67  
 ggtaagagag aangtgtgaa gtcacctgtc tggtagtgc attccaatgg acattgtact 60  
 ggcccaggag gaaaagaacca gatgtggtt tccagtcac caaagcaagt ctctagcaca 120  
 aagcccggttc cactgaactg cccttctcca gtgcctcctc tgtatggaa tgatgatgga 180  
 ctcccctttc ccacggatgt gatccagcat aggttacggc aaatcgaagc agggtacaaa 240  
 caagagggtgg agcagctacg tcgacaggtg cgtgasttca gatgaggctg gacatccgtc 300  
 actgctgtgc ccctccagca gagccccca tggactatga ggatgatttt acatgtttga 360  
 aggagtcaaga tggcagtgat actgaggatt ttggctctga tcacagtcaa gactgcctt 420  
 cagaagcaag ctgggaacct gttgataaga aagagactga ggtgactcgc tgggttccag 480  
 accatatggc atcacactgc tataactgtg actgtgaatt ctggttgcc aaacgaagac 540  
 accattgcag aaattgtggg aatgtatccc ttgctggatg ctgccacactg aagctgccc 600  
 ttccctgatca gcaactctat gaccctgtc tcgtctgtaa ctcatgttac gnaacacatt 660  
 caagtctctc gtgccanggg aactcatgag ccaacagctg aagaaaccca ttgctacagc 720  
 ttccagggtga atgcccgggg aaaaacctgtc caattttagc aggttgaag ggaggatctt 780  
 cttcagggtgt agtttggaa gttcccttggt ttggtctatg aaatcacaga gctcagagat 840  
 accatcttga gaaatcctcc ttggtatcat gaaactggag cagaggaatt gcaatttagc 900  
 aggaggctt ctactggtga taccctcacc ttgggttaat ggtcttaacc cagaccagg 960  
 gtctggaaag ctaatgtt agttggtgac tccagccctt ttcccttggg ggtcacaaga 1020  
 ttagtattgc ttagatgtt cctggtgca agtgccccaa acagcaatag aaaggcatat 1080  
 gtataaccaa actccaagtgt ataaccagac ccattctcc tccaccttga caaaagcaga 1140  
 ttatagtata caaggttagga attccctgtcc tatttgagat gaactatata ctgtacctct 1200  
 gtgctctgtg tctgcatttggaa ggctcagcct ttagaggcac tccttcttagt tgcattagta 1260  
 ctgtcttctt gtggagttt gtttgaagac tggctcagca agtggaggtt tcaatgtatt 1320  
 tttcagggtgg ctcattcagcc agcattggtg aatattcagt ttagggaaac agttctaggg 1380  
 agtgagacat ttttgggagc agaggaaaac tctgctgatg ttccgtcctg gcaaacattg 1440  
 agttatggg agctgtgaag gcagtcgtct ctgttacaca gtggcagctc ttgagttatg 1500  
 cactgtgaag aatgagaagg gaaaagcaaa aattatcctt gtgaaatata tgctgattgt 1560  
 gcccactctt ttgcacctga cttttcttag ttgtcttggt gctaacacag gagctacacc 1620  
 ttgatcctctt cctggcatga aaataaaaaca aagggtttcg ttgttgttgc tccattgccc 1680  
 atttccccca tggtagtctt cccttggctg atgcctcctc tgggtcacat tgcttcttat 1740  
 cctgaacact tgacacctt agggtagaat tttagctttg gtttttacat cctagcatat 1800  
 gctgtttggt atgtgagggt ttcaagtacaa atgctgtgt ctatttctgt gcaactaaca 1860  
 atggaaacca aacagaagag aataaaagct tgataccaaa attgggaaag aacatgtgtc 1920  
 catggacc aacatgtgtt ggtttttaaa aaattttatt ttgtttttt gtttttgggtt 1980  
 ttgttttttt tcatcttaat atgtaccagt ggcacttaac caaaagatac agtgcataatag 2040  
 ccatgtatct gtctacttag cgtggctgtt ttgaggact gtcacccatcag tgaacaaact 2100  
 gcatggccctt ggagagagac tctggctct tggctcagat gtgttcatca aataactcctt 2160  
 tcagagctgt tgggggtgtt agtgcacatga tggggccaaa aatccaaact gtgcagttgc 2220  
 gttgtgacaa acatgcaatg tgctgtaaaa attcaataca gtttaataa aatctctata 2280  
 tttagtaaaaa aaaaaaaaaaa aaactcgag 2309

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<210> 68  
<211> 814  
<212> DNA  
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (421)
<223> n equals a,t,q, or c
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<400> 68
tacgagttt tttttttttt tttagccata attacaaaaa acatttagtgc aggacaccat      60
tttaaaaaac tatttaaaat agtcttcaga gaaaaaaat taagtattac agtttaggag     120
tatattqact ttggqccaac qqattccaat atttacaaa aaqqcaatat ccacqcaaca     180

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tattccagat tcgggttgc gagaagctgc	agggcttgag gtgactctat cacaactgct	240
ttccgtacgg aggagccact gccaactgtg tggacgagaa tacttaagca	cgtgcttcata	300
tgcctccactg ccacagggtgg atatttcagg ggaattatta ttaatttcaa	agttttttta	360
aaargytatg ataagtaaat aaaagtaatg gtaggaktca	cggtcggaga gcttatcgcc	420
naagtcttc tatagccttc ccccggaaagc	cccagttcag gcatcggtca cccgaagtgt	480
caccctctga tctttccccc atcccatactg aggaagttaa agagatccct	cacaggtacc	540
gtggctctcg gtgcctcgc acttccaaca	gccgggtcgg gcccaggaga ctcgctccga	600
cctccaccac aatggcgccc agtgtggcc	gcgcaaccag aagtgcggcc ggcacactga	660
cccagcttc gcctgcaccc agagctcagc	gcaccagccc ggctcagcca gacgaaggca	720
aacgaagaga tgcggatccc tggaggactg	gcccacccgt gaacaaaaca ggaagcattc	780
caaggaagact gcgggggtgg	gctcgtggcc aatc	814

<210> 69  
<211> 788  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (370)  
<223> n equals a,t,g, or c

<400> 69		
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tcagagcatt ttgccttgc agaaggcagc	tgctgtatg gcaggaggct gaaatggaca	120
tggcctggca gaagagtatt atgggttgg	tgtgttgc gccatctggc ctgtacaatt	180
tggagaaaaca atacttttt tttcttctc	tgcaagctgg gcttcctgtg attgtgtcct	240
caggctgcac aaaaatagcg tatggcttg	ctgtgttattc accttcatct taaaatagct	300
agaacatttt cccttcttctt taaaaatgg	ttaaaaatga gggtagact cttgttagaa	360
aaggtagaaan tcttaataac agtactcatg	ttgacaaacc tttctcgtca aaattcctat	420
gtaatcaaga ctcttattaa atatgaacaa	atgtaatgtt tgaaaattaa tggttaccct	480
caaggtaaaa gctgaaatgg atttataaag	aatttattta aacagcaata atgtttgagg	540
ggtgggggaa gtgagaaaaa taaaattta aatcacatgt	ttatgactat gaagctagac	600
ttaaaaataa ggtcagttag ggtatgactc	ttataataca aaagtttatt tggtatacaa	660
aggattttt gctaatgtat ttttaattta	tattcactaa tacttgtaaa agatcattca	720
atttataaag ttccaaaaat aaacctgttt	aaagtgtcaa aaaaaaaaaa aaaaaaaaaa	780
aaactcga		788

<210> 70  
<211> 791  
<212> DNA  
<213> Homo sapiens

<400> 70		
gaattcggca cgagctcaag gctaaaatct	tgtatctcc tgaatatgag gaggtgtgtt	60
aggcatgttt tggggattgg attaatagtg	ttaaaaaatt tgtatttca caaaaatagc	120
atgtacccat cacccaaact cagcagctt	caagaagctt ttctttttt ctttcttatt	180
ttaaaaaatc cttaaacctt atgtatgttag	tatatctttt ttaaaaagta gaaaatcatg	240
taaccttagg atttttagtt ttaatgtaga	gttcacaaa tttccatctt tagtaagaca	300
aaagggtcac atattggctg ttccttca	ctatactttc ttcatgtataa aatatgttta	360
ccatgggtgtt cattatcgag cacgtaaactg	catgttagac tctatgtaa gtgtttaca	420
taatcattta aagctcacta aggccttagg	agtaattatt atcctcccat caaaaaggtt	480
atgtaaaatgt taacctgaag tttgactact	ttaggtctct gagctagtaa gtacaatagc	540
caggtttcaa accaagatcc ttttaactgc	agcacctgtg ctttatctgg tagcgtcattc	600
ttggttcata cattaaaaaa aggttatct	atgtgccggg tgccctggct catgcctgtt	660
atcccagcac ttgggaggc cgaggaggc	ggatcaccag gtcaggagtt tgagactgac	720

caataaggtg aaatcctgtc tctactaaaa aaaaaagggg gggcccgta ccaatcgccc	780
aaaaagatcg t	791

<210> 71  
<211> 804  
<212> DNA  
<213> Homo sapiens

<400> 71	
gaattcggca cgagcggcac gagcttggaaa tggcgctttc tcatggac acatccatcc	60
ttcaaggct actctctcat cacagctgt gactcttcca cttttgaac tgggtttcc	120
cattccagg tcacagagcc ctttctcatt gaactattta tctgagttcc ctctgccgga	180
acatgagcca tgccttagagt agccacccat tagtgagtga cagctctgtg ctggatgcac	240
ataaaatggtc tcccttaact gccatgagsc ctaaagaagg tttgctacag ctatttaca	300
gatggggaaa actgacagag agatattaat gaattgccc catgcaaata tggctgagt	360
cttggatttg catcttttac gtgactccac ggagacccac cctctaagac cagagccagt	420
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tttagaatgt ttctcagaca ggctgagaaa aaacacaacg aaacattatt tccggtttgga	600
aagttttttt atttttgtgt tcagttactga agtaaaacaa aaatctgaat aacagctgca	660
ccgttaaaaaa tgaaattacc aatatatgaa ctcttaggcat catgcatata taatttttg	720
tagataactt ttcttctcat ttcccttctc attcttctca tctttttttt tttgttttag	780
aaaaaaaaaaa aaaaaaaaaac tcga	804

<210> 72  
<211> 783  
<212> DNA  
<213> Homo sapiens

<400> 72	
gaattcggca cgagctaaaa cttacaatga catgttgggg cttgctctgt aagctccaag	60
gcattttttt ttcagttt aattcaagtg ttctaaaaag tattttgggt acaaccagaa	120
ctctctctgc tccttggatt ggagtcaatg tgaaagggaa acagtgggt ctgggggtcag	180
ctagacctgg atgtggatca cagctcacct cttcattggg aggccctcagg caagtttatt	240
gccaacctca cttacaaaag catgatgcta agctcwtttc agtttagttt tggtatcatg	300
agcatatgtt tacaatgcct gccatagtgta gtgcctggcc cttggcagac tgtcaaattgg	360
agctatggag cagcagcggg agtaatatta ttatcttagac cttatctgtc cttttaaact	420
cagttcagat tccttctcct ttttaattt ctgcaacctg attttacctg cccctgcctc	480
caagttctg tatcagtttag cctctgaaca attcatttag caatttttaat tatatattgc	540
ttcttgacac tgctttgtga tcttaaaaaac tctgcttcaa atacgtactt gggtgctttt	600
cctgagtgtgt gttaattccct gctctaacgg actaaagtaa tttgaaggca ggacttaggtt	660
ttatgcatttgg cacacagtct ggtgccttac atgtaactac tcacaaactt ttttgatcca	720
aaatttagaa acttcacacg cattcataag aaatcaataa aaaaaaaaaaaa aaaaaactcg	780
tag	783

<210> 73  
<211> 1523  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (15)  
 <223> n equals a,t,g, or c

&lt;400&gt; 73

nggggggncc	ccccnntttt	ttttttttt	ttttttttt	ttcagttcta	ctattattta	60
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ttcacactga	acacgtatgg	cagcttaacc	tacccaaata	tgaagttaa	gaagccaaaa	180
ctgttctagc	tttggtaaaa	gttgcgtgc	agactctcg	gatggtaac	aaagcaagga	240
aaagcaccac	tcaaatacata	atgttacagt	atcttgc	agctggatta	tgggttggt	300
ttggtcatat	gttagactcc	atacaggcat	agctatgatg	cagtgaatcc	cttagaagtt	360
acaattctca	aattacatac	ttcctcagat	gtaacattag	aactcaatat	ttctaacaat	420
aacataccag	aaaaggctgg	actggactc	atctgctgac	taacttgtag	cctcagtaat	480
atgacatact	tgccttaac	aaattatctc	aaattaacta	acagaccc	agaaaatgg	540
gattctttt	gatggggaca	taatcaaatt	taagtctgag	aaatatgc	tttgcgttga	600
actcaaatta	aatgtactga	ttttaagtt	tagacattaa	caagtgtat	attagcctca	660
aaaaaaagaca	atttggtaag	gtttaggtct	tttaatttgg	tgcttgc	caacttgact	720
ggtgcttctt	tccttgcgt	tttcacatca	agccatgggg	ccaattctat	ttcagtaaa	780
tgtttgacag	ctttttactt	agtaacagtc	tcagcactt	tattaagcat	gcaagactaa	840
caaaaactt	ggoaatgcat	aagtgttaaca	cagtgacaag	agagcttta	caattaagtc	900
ttctaatact	gccttcacag	tgtggaaatt	gtgctacatc	caccaaaaga	gggccccgtc	960
tactcaaata	tttccgtact	tcaccccagg	aacaaactcc	tttgcatttgc	gattcagatt	1020
gctcttgacc	acaagatctt	ccagagaaga	gccatcactg	ataacaaggt	cattaaactg	1080
gtcttggatt	tggccatag	tttggggag	atctcgat	ggaataaacc	attcatgctc	1140
ttcttcctct	tccagcattt	tttggaaaca	gcgttcaata	aattcttctt	ccataactc	1200
ctcttctatt	tgtctgttga	atttcttctc	atttccatc	cacatgtact	ctgaaatgg	1260
attgtcatct	tcatgagaat	gaccgttaat	aatcacatct	tcattgtat	tgcttggct	1320
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acagcagcgg	ggacggcagc	caacgaatcc	tgtcggcctc	cgccgatctc	cacaggcagc	1440
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<210> 74  
 <211> 758  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 74

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ccgcctttgt	tttttggagac	ttttttattt	ttgttgcac	ccaggctgaa	gtgcgtggc	180
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tgtgtgtgt	agccactgcg	caggccttgg	gcagctttct	tgatctctgt	tacccatct	360
ataaaaatgt	gataataata	gcttctccct	tattgggaa	ttgtaatgt	taaatgagat	420
aacatgtaaa	atgcttagta	caggccaggc	atggggctc	acgcttgc	tcccagcact	480
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tggtaaaacc	ctgtgtctac	aaaaaaatac	agaaagtca	ccaggcatgg	tggtgc	600
ctgtggtccc	agctactcg	aggctgaggt	gggagaatca	cttgagcccg	ggagacagaa	660
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<210> 75  
<211> 1096  
<212> DNA  
<213> Homo sapiens

<400> 75

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ggccttgagg	agcccggggg	tgccccctggc	cccaagtgtac	cccttcccccc	atcacaggg	360
gtggggctgg	cctcgctcgt	ggcacctctg	ctgatctcac	aggccatggg	actggccctc	420
tatgtcctgc	cagtgcgtgg	ccaacacgtt	gccacaccagc	acttccca	ggcagaggct	480
gaggctgtgg	tgctgacact	gctggcgatt	tatgcagctg	gcctggccct	gccycacaat	540
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gccctgatct	acctagca	gcagctggc	tgcatcgccc	tcaccaactt	ctcaactggc	660
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gagatctgcc	tgtccggct	gggacagaga	ctccccaagg	acccattct	gcctccttct	1020
ggggaaataa	atgagtgtct	gttcagcar	mwaaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1080
aaaaaaaaaa	gcggcc					1096

<210> 76  
<211> 1230  
<212> DNA  
<213> Homo sapiens

<400> 76

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gtgtgcctgg	gcctgagcag	catgttggc	gtctggtacc	tgctgaggaa	gcactggatt	240
gccaacaacc	tttttggcct	ggccttctcc	cttaatggag	tagagctcct	gcacccctcaac	300
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ggagatgtcg	tcattccagg	gatcttcatt	gccttgc	tgcgcttga	catcagctt	540
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acagaggcat	cagcatcgaa	ggggctggag	aagaaagaga	aatgtgca	ctgggtgccc	840
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agggcacagg	aggccaagg	cagctccagg	acagggcagg	gggcagcagg	ataccctccag	960
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tgggtgtgat	tttttagattt	tgtattgtgg	actgat	cctcacatta	aaaactcatc	1140
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aaaaaaaaaa	aaaaaaa	ggggaggggc				1230

<210> 77  
<211> 911  
<212> DNA  
<213> Homo sapiens

<400> 77

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tagaaagagg	gctccttct	gagaaagaag	aatttcaaag	agtccaaagag	aaccaaaaat	180
tcaggaccca	ggagggtaag	cattcctgtt	tttgcagct	tcacagacca	tttgagttag	240
tggttttc	aggtgacatt	taaatgaaca	aataatatcc	atgtctcagg	gtcagaaatg	300
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tctagcactt	tggargctg	aggtggcag	gcccargart	tcaagaccag	tctgggcaac	480
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ctggagtccc	agctactcg	gagactgagg	tggaaagatc	acctgagctc	aggaagtctga	600
ggctgcagtg	agccaagatt	gcactactgc	actctagcct	acatggatag	gagtgagacc	660
tgtttgaaaaa	acaaaaaaca	atcaaaaaca	aaaaaaaaca	accccacacaa	tgttattttt	720
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ctaccatcg	aaaattacac	taatgtgata	agtgactttc	tcccctctga	atctccaatt	840
ccattacttg	tagtaaatat	gaatcttatt	ccacaaactc	agacatgcaa	aaaaaaaaaa	900
aaaggcggc	c					911

<210> 78  
<211> 488  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (484)  
<223> n equals a,t,g, or c

<400> 78

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atggctctgg	gcgcacggg	gctaccggg	tctttgtcgc	gatggtagcg	gcggctctcg	180
gcggccaccc	tctgtggg	gtgagcgcca	ccttgaactc	ggttctcaat	tccaacgcta	240
tcaagaacct	gccccccaccc	ctggggccg	ctgcggggca	cccaaggctc	tgcagtca	300
gccgcgcgg	aatccctgt	cccnngggcg	gaataagtac	cagaccattg	acaactacca	360
gccgtacccs	ttgcgc	aaaaa	gaacraaaga	aatttgcgc	actgaaataa	420
gcctaattcc	ccacccnncc	cggaaagggg	aaaccccccgg	ggcg	ttttc	480
tttnntcc						488

<210> 79  
<211> 753

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (745)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (752)  
 <223> n equals a,t,g, or c

<400> 79

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cagagcagcc	tgtggctgt	aaagcatata	tttctaata	ctgcagactg	gtgggatcat	180
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gcgtgttaga	aatcaattgt	tttattttgt	ttcttggcc	aagctgggtc	tagtgtttct	300
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gaaatttcag	gtctttgtt	aagcctgtat	tgtcttaag	gtgcagatt	ttttaaattta	420
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agatgacttt	gtgcctttt	gaataaaagg	taaaataaaac	tctccagag	taagagctgt	600
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aaatataaaaa	aaaaaaaaaa	agggngccg	cnc			753

<210> 80  
 <211> 2138  
 <212> DNA  
 <213> Homo sapiens

<400> 80

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gctggggtcc	agaccatatg	gcatcacact	gctataactg	tgactgtgaa	ttctgggttg	360
ccaaacgaag	acaccattgc	agaaatttgt	ggaatgtatt	ttgtgctgga	tgctgccacc	420
tgaagctgcc	cattctgtat	cagcaactct	atgacccagt	tctcgctgt	aactcatgtt	480
acgraacaca	ttcaagtctc	tcgtgcagg	gaactcatga	gccaacagct	gaagaaaccc	540
attgtctacag	cttccagttt	aatgccccgg	agaaacctgt	ccaattttag	caggtttgaa	600
gggaggatct	tcttcagtt	tagttggaa	ggttccttgg	tgtggctcat	gaaatcacag	660
agctcagaga	taccatctt	agaaatccct	cttggtatca	tgaaactgga	gcagaggaat	720
tgcaatttag	caggagggtcc	tctactggtg	ataccctcac	cttgggttaa	ttgtccta	780
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<210> 81  
<211> 1327  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1205)  
<223> n equals a,t,g, or c

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ggctgccgtc cccgctgtc tgcattgggt taaaaacgac aaccaacatc agccatgaaa 180  
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ccttacccaa	tttgtttttt	ttgaggctaa	tctatcactt	gttaatgtct	900
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grrgnctwa	ccatatgacc	mataccamcc	cwtaatccca	gctgraccaa	1260
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tctggca					1327

<210> 82  
<211> 758  
<212> DNA  
<213> Homo sapiens

<400> 82

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cggccttgc	tttttgagac	cttttttatt	ttgttgtcac	ccaggctgaa	gtcagtgcc	180
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caagtaggtg	ggcttacaaa	tgcacagcat	gacacctggc	ttatttttgt	attttgttg	300
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<210> 83  
<211> 47  
<212> PRT  
<213> Homo sapiens

<400> 83

Met	Gly	Ser	Cys	Ala	Ala	Phe	Leu	Leu	Ala	Ala	Leu	Ser	Leu	Leu	Gly
1				5					10					15	
Val	Leu	Gly	Gly	Tyr	Pro	Gly	Arg	Arg	Ala	Phe	Ile	Leu	Pro	Asn	Arg
				20					25				30		
Arg	Ser	Leu	Arg	Gln	Trp	Leu	Glu	Val	Ser	Leu	Gly	Pro	Val	Ser	
				35				40				45			

<210> 84  
<211> 37  
<212> PRT  
<213> Homo sapiens

<400> 84

Met	Asn	Glu	Ala	Pro	Pro	Leu	Ser	Ser	Ser	Ile	Cys	Phe	Ile	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1

5

10

15

Phe Tyr Phe Phe Pro Leu Leu Pro Pro Leu Ser Ser Thr Cys Phe Ser  
 20 25 30

Lys Gly Asn Arg His  
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<210> 85  
 <211> 52  
 <212> PRT  
 <213> Homo sapiens

<400> 85  
 Met Cys Gln Asn Arg Glu Ser Val Leu Val Leu Ile Glu Ser Asn  
 1 5 10 15

Met Phe Ser Phe Tyr Leu Leu Phe Ser Phe Tyr Ile Val Phe Ser Phe  
 20 25 30

Phe Ile Val Leu Arg Pro Leu Pro Arg Asn Glu Ser Ile Lys Lys Ile  
 35 40 45

Gly Val Ile Phe  
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<210> 86  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 86  
 Met Thr Val Leu Ala Lys Arg Leu Val Leu Phe Leu Gly His Ile Phe  
 1 5 10 15

Leu Leu Leu Cys Val Arg Ile Leu Asp  
 20 25

<210> 87  
 <211> 77  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 87  
 Met Ala Ala Arg Ser Ala Leu Ala Leu Leu Leu Leu Pro Val Leu  
 1 5 10 15

Leu Leu Pro Val Gln Ser Arg Ser Glu Pro Glu Thr Thr Ala Pro Thr  
 20 25 30

Pro Thr Pro Ile Pro Gly Gly Asn Ser Ser Xaa Ser Arg Pro Leu Pro  
 35 40 45

Ser Ile Glu Leu His Ala Cys Gly Pro Tyr Pro Lys Pro Gly Leu Leu  
 50 55 60

Ile Leu Leu Ala Pro Leu Ala Leu Trp Pro Ile Leu Leu  
 65 70 75

<210> 88  
<211> 37  
<212> PRT  
<213> Homo sapiens

<400> 88  
Met Cys Tyr Ile Pro Gly Ser Thr Gly Gly Gln Cys Trp Pro Trp Cys  
 1 5 10 15

Trp Cys Trp Leu Cys Arg Glu Ala Leu Glu Trp Leu Cys Gly Ala Val  
 20 25 30

Ser Ala Gly Pro Ala  
 35

<210> 89  
<211> 43  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 89  
Met Leu Leu Arg Ile Ile His Leu Val Ile Phe Phe Ile Asn Phe Ser  
 1 5 10 15

Thr Ser Val Val Ile Val His Tyr Asn Val Leu Asn Tyr Arg Cys Leu  
 20 25 30

Leu Lys Cys Arg Cys Arg Val Xaa Lys Tyr Ser  
 35 40

<210> 90  
<211> 59  
<212> PRT  
<213> Homo sapiens

<400> 90  
Met Gln Asn Cys Leu Gly Ser Leu Ile Pro Gly Val Leu Phe Ser Leu  
 1 5 10 15

Leu Leu Leu Pro Ser Met Phe Asn Ile Ile Leu Thr Gln Ser Lys Tyr  
 20 25 30

Gly Glu Asn Ser Tyr Pro Ala Cys Phe Tyr Ser Ser Ser Asn Phe Pro  
 35                          40                          45

Val Ser Ala Ile Thr Phe Leu Val Gly Val Val  
 50                          55

<210> 91  
<211> 54  
<212> PRT  
<213> Homo sapiens

<400> 91  
Met Val Val Ile Val Leu Thr Ser Asn Val Cys Ile Cys Gly Tyr Val  
 1                          5                          10                          15

Val His Ser Ala Leu Ile Pro Arg Arg Gln Gly Leu Phe Leu Phe Leu  
 20                          25                          30

Phe Leu Val Met Phe Tyr Phe Ser Ile Ala Phe Asn Arg Ile Thr Lys  
 35                          40                          45

Gly Thr Leu Ser Ser Gln  
 50

<210> 92  
<211> 50  
<212> PRT  
<213> Homo sapiens

<400> 92  
Met Val Ala Gln Leu Val Gly Cys Val Val Ser Cys Leu Phe Val Leu  
 1                          5                          10                          15

Leu Arg Phe Leu Ile Ser Thr Phe Gly Ile Met Ser Phe Asn Gly Phe  
 20                          25                          30

Val Ile Phe Val Thr Val Leu Ala Ala Tyr Asn Phe Ser Ala Gly Ala  
 35                          40                          45

Phe Thr  
 50

<210> 93  
<211> 155  
<212> PRT  
<213> Homo sapiens

<400> 93  
Met Trp Pro Gln Glu Ala Trp Val Cys Ile Leu Val Leu Leu Gly Thr  
 1                          5                          10                          15

Arg Val Gly Leu Cys Val Gly Asp Ser Leu Ala Pro Gln Ala Ser Leu  
 20                          25                          30

Ser Tyr Cys Tyr Ile Leu Lys Val Pro Leu Arg Pro Lys Pro Leu Trp  
 35                    40                    45

Gln Leu Ser Asn Glu Ser Ile Cys Ser Glu Tyr Arg Val Glu Gly Gly  
 50                    55                    60

Gln Gly His Gln Glu Leu Arg Met Phe Leu Arg Leu Met Arg Pro Arg  
 65                    70                    75                    80

Tyr Trp Val His Gly Gly Pro Arg Ser Leu Cys Asp Ser Cys Ser Leu  
 85                    90                    95

Leu Pro Pro Cys Leu Asp Pro Ala Ser Ala Gln Lys Ala Asn Ser Leu  
 100                  105                  110

Asp Ser Lys Gly Leu Pro Arg Pro Ile Ser Met Ser Cys Ser Cys Gln  
 115                  120                  125

Leu Pro Val Pro Ser Leu Asp Leu Ser Ser Cys Leu Ala Pro Ser Leu  
 130                  135                  140

Pro Thr Pro His Ile Phe Thr Asn Lys Arg Lys  
 145                  150                  155

<210> 94

<211> 60

<212> PRT

<213> Homo sapiens

<400> 94

Met Ser His His Ala Arg Pro Tyr Lys Ala Phe Arg Ile Val Ser Cys  
 1                    5                    10                    15

Tyr Phe Tyr Leu Phe Ile Ile Val Val Val Ile Ile Leu Leu Tyr  
 20                  25                  30

Pro Ile Ser Gln Gly Trp His Val Ala Asn Ile Val Phe Leu Lys Asn  
 35                  40                  45

Ile Ser Asp His Ile Leu Val Leu Leu Lys Thr Phe  
 50                  55                  60

<210> 95

<211> 70

<212> PRT

<213> Homo sapiens

<400> 95

Met Trp Phe Glu Ile Leu Pro Gly Leu Ser Val Met Gly Val Cys Leu  
 1                    5                    10                    15

Leu Ile Pro Gly Leu Ala Thr Ala Tyr Ile His Arg Phe Thr Asn Gly  
 20                  25                  30

Gly Lys Glu Lys Arg Val Ala His Phe Gly Tyr His Trp Ser Leu Met  
 35                  40                  45

Glu Arg Asp Arg Arg Ile Ser Gly Val Asp Arg Tyr Tyr Val Ser Lys  
 50                    55                    60

Gly Leu Glu Asn Ile Asp  
 65                    70

<210> 96  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 96  
Met Val Phe Leu Leu Leu Leu Phe Gly Phe Phe Asp Gly Ser  
 1                    5                    10                    15

Leu Arg Ser Pro Leu Leu Leu Ile Ile His Leu Gly Pro Ala Pro Thr  
 20                    25                    30

Phe Leu Gln Ile  
 35

<210> 97  
<211> 59  
<212> PRT  
<213> Homo sapiens

<400> 97  
Met Leu Cys Gln Thr Ile Pro Leu Cys Asn Arg Leu His Ile Val Phe  
 1                    5                    10                    15

Met Ile Leu Ile Lys Leu Tyr Val Glu Thr Glu Cys Glu Val Lys Ser  
 20                    25                    30

Glu His Lys Lys Ile Met His Asp Glu Ile Ala Tyr His Phe Ile Gly  
 35                    40                    45

Tyr Leu Leu Cys Ile Tyr Thr Leu Arg Pro Leu  
 50                    55

<210> 98  
<211> 43  
<212> PRT  
<213> Homo sapiens

<400> 98  
Met Ser Val Ser Ser Asn Leu Trp Gln Thr Leu Ile Leu Leu Ser  
 1                    5                    10                    15

Leu Trp Phe Cys Leu Phe Pro Glu Cys His Ile Val Gly Ile Ile Gln  
 20                    25                    30

Leu Cys Arg Leu Phe Arg Leu Pro Ser Phe Thr  
 35                    40

<210> 99  
<211> 31  
<212> PRT  
<213> Homo sapiens

<400> 99  
Met Cys Cys Arg Ala Gly Gly Ser Gln Ser Pro Gln Val Met Val Val  
1 5 10 15  
Leu Ile Ile Ile Leu Gly Pro Trp Gly Gly Val Arg Ile Asp Ala  
20 25 30

<210> 100  
<211> 180  
<212> PRT  
<213> Homo sapiens

<400> 100  
Met Tyr Ser Cys Leu Leu Leu Pro Asp Leu Leu Tyr Leu Thr Leu Ser  
1 5 10 15  
Pro Leu Val Val Ala Met Leu Leu Thr Pro His Phe Asn Val Ala Asn  
20 25 30  
Pro Gln Asn Leu Leu Ala Gly Leu Trp Leu Glu Asn Glu His Ser Phe  
35 40 45  
Thr Leu Met Ala Pro Glu Arg Ala Arg Thr His His Cys Gln Pro Glu  
50 55 60  
Glu Arg Lys Val Leu Phe Cys Leu Phe Pro Ile Val Pro Asn Ser Gln  
65 70 75 80  
Ala Gln Val Gln Pro Pro Gln Met Pro Pro Phe Cys Cys Ala Ala Ala  
85 90 95  
Lys Glu Lys Thr Gln Glu Glu Gln Leu Gln Glu Pro Leu Gly Ser Gln  
100 105 110  
Cys Pro Asp Thr Cys Pro Asn Ser Leu Cys Pro Ser His Thr Gln Leu  
115 120 125  
Thr Lys Ala Asn Thr Leu Ser Leu Phe Phe Phe Ser Phe Phe Leu  
130 135 140  
Ser Arg Val Ser Leu Leu Ser Pro Arg Leu Glu Cys Asn Gly Arg Ile  
145 150 155 160  
Leu Ala His Cys Asn Leu His Leu Pro Gly Ser Ser Asn Ser Pro Val  
165 170 175  
Ser Ala Ser Arg  
180

<210> 101  
<211> 211  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (45)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (195)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 101  
Met Arg Leu Phe Leu Trp Asn Ala Val Leu Thr Leu Phe Val Thr Ser  
1               5                           10                           15

Leu Ile Gly Ala Leu Ile Pro Glu Pro Glu Val Lys Ile Glu Val Leu  
20   25                                   30

Gln Lys Pro Phe Ile Cys His Arg Lys Thr Lys Gly Xaa Asp Leu Met  
35   40                                   45

Leu Val His Tyr Glu Gly Tyr Leu Glu Lys Asp Gly Ser Leu Phe His  
50   55                                   60

Ser Thr His Lys His Asn Asn Gly Gln Pro Ile Trp Phe Thr Leu Gly  
65   70                                   80

Ile Leu Glu Ala Leu Lys Gly Trp Asp Gln Gly Leu Lys Gly Met Cys  
85   90                                   95

Val Gly Glu Lys Arg Lys Leu Ile Ile Pro Pro Ala Leu Gly Tyr Gly  
100   105                                   110

Lys Glu Gly Lys Gly Lys Ile Pro Pro Glu Ser Thr Leu Ile Phe Asn  
115   120                                   125

Ile Asp Leu Leu Glu Ile Arg Asn Gly Pro Arg Ser His Glu Ser Phe  
130   135                                   140

Gln Glu Met Asp Leu Asn Asp Asp Trp Lys Leu Ser Lys Asp Glu Val  
145   150                                   155                                   160

Lys Ala Tyr Leu Lys Lys Glu Phe Glu Lys His Gly Ala Val Val Asn  
165   170                                   175

Glu Ser His His Asp Ala Leu Val Glu Asp Ile Phe Asp Lys Glu Asp  
180   185                                   190

Glu Asp Xaa Tyr Gly Phe Ile Ser Ala Arg Glu Phe Thr Tyr Lys His  
195   200                                   205

Asp Glu Leu

210

<210> 102  
<211> 621  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (137)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 102  
Met Gly Leu Leu Ser Asp Pro Val Arg Arg Arg Ala Leu Ala Arg Leu  
1 5 10 15

Val Leu Arg Leu Asn Ala Pro Leu Cys Val Leu Ser Tyr Val Ala Gly  
20 25 30

Ile Ala Trp Phe Leu Ala Leu Val Phe Pro Pro Leu Thr Gln Arg Thr  
35 40 45

Tyr Met Ser Glu Asn Ala Met Gly Ser Thr Met Val Glu Glu Gln Phe  
50 55 60

Ala Gly Gly Asp Arg Ala Arg Ala Phe Ala Arg Asp Phe Ala Ala His  
65 70 75 80

Arg Lys Lys Ser Gly Ala Leu Pro Val Ala Trp Leu Glu Arg Thr Met  
85 90 95

Arg Ser Val Gly Leu Glu Val Tyr Thr Gln Ser Phe Ser Arg Lys Leu  
100 105 110

Pro Phe Pro Asp Glu Thr His Glu Arg Tyr Met Val Ser Gly Thr Asn  
115 120 125

Val Tyr Gly Ile Leu Arg Ala Pro Xaa Ala Ala Ser Thr Glu Ser Leu  
130 135 140

Val Leu Thr Val Pro Cys Gly Ser Asp Ser Thr Asn Ser Gln Ala Val  
145 150 155 160

Gly Leu Leu Leu Ala Leu Ala Ala His Phe Arg Gly Gln Ile Tyr Trp  
165 170 175

Ala Lys Asp Ile Val Phe Leu Val Thr Glu His Asp Leu Leu Gly Thr  
180 185 190

Glu Ala Trp Leu Glu Ala Tyr His Asp Val Asn Val Thr Gly Met Gln  
195 200 205

Ser Ser Pro Leu Gln Gly Arg Ala Gly Ala Ile Gln Ala Ala Val Ala  
210 215 220

Leu Glu Leu Ser Ser Asp Val Val Thr Ser Leu Asp Val Ala Val Glu  
225 230 235 240

Gly Leu Asn Gly Gln Leu Pro Asn Leu Asp Leu Leu Asn Leu Phe Gln  
 245 250 255

Thr Phe Cys Gln Lys Gly Gly Leu Leu Cys Thr Leu Gln Gly Lys Leu  
 260 265 270

Gln Pro Glu Asp Trp Thr Ser Leu Asp Gly Pro Leu Gln Gly Leu Gln  
 275 280 285

Thr Leu Leu Leu Met Val Leu Arg Gln Ala Ser Gly Arg Pro His Gly  
 290 295 300

Ser His Gly Leu Phe Leu Arg Tyr Arg Val Glu Ala Leu Thr Leu Arg  
 305 310 315 320

Gly Ile Asn Ser Phe Arg Gln Tyr Lys Tyr Asp Leu Val Ala Val Gly  
 325 330 335

Lys Ala Leu Glu Gly Met Phe Arg Lys Leu Asn His Leu Leu Glu Arg  
 340 345 350

Leu His Gln Ser Phe Phe Leu Tyr Leu Leu Pro Gly Leu Ser Arg Phe  
 355 360 365

Val Ser Ile Gly Leu Tyr Met Pro Ala Val Gly Phe Leu Leu Leu Val  
 370 375 380

Leu Gly Leu Lys Ala Leu Glu Leu Trp Met Gln Leu His Glu Ala Gly  
 385 390 395 400

Met Gly Leu Glu Glu Pro Gly Gly Ala Pro Gly Pro Ser Val Pro Leu  
 405 410 415

Pro Pro Ser Gln Gly Val Gly Leu Ala Ser Leu Val Ala Pro Leu Leu  
 420 425 430

Ile Ser Gln Ala Met Gly Leu Ala Leu Tyr Val Leu Pro Val Leu Gly  
 435 440 445

Gln His Val Ala Thr Gln His Phe Pro Val Ala Glu Ala Glu Ala Val  
 450 455 460

Val Leu Thr Leu Leu Ala Ile Tyr Ala Ala Gly Leu Ala Leu Pro His  
 465 470 475 480

Asn Thr His Arg Val Val Ser Thr Gln Ala Pro Asp Arg Gly Trp Met  
 485 490 495

Ala Leu Lys Leu Val Ala Leu Ile Tyr Leu Ala Leu Gln Leu Gly Cys  
 500 505 510

Ile Ala Leu Thr Asn Phe Ser Leu Gly Phe Leu Leu Ala Thr Thr Met  
 515 520 525

Val Pro Thr Ala Ala Leu Ala Lys Pro His Gly Pro Arg Thr Leu Tyr  
 530 535 540

Ala Ala Leu Leu Val Leu Thr Ser Pro Ala Ala Thr Leu Leu Gly Ser  
 545 550 555 560

Leu Phe Leu Trp Arg Glu Leu Gln Glu Ala Pro Leu Ser Leu Ala Glu  
 565 570 575

Gly Trp Gln Leu Phe Leu Ala Ala Leu Ala Gln Gly Val Leu Glu His  
 580 585 590

His Thr Tyr Gly Ala Leu Leu Phe Pro Leu Leu Ser Leu Gly Leu Tyr  
 595 600 605

Pro Cys Trp Leu Leu Phe Trp Asn Val Leu Phe Trp Lys  
 610 615 620

<210> 103

<211> 287

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (263)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 103

Met Ala Leu Leu Pro Ile Phe Phe Gly Ala Leu Arg Ser Val Arg Cys  
 1 5 10 15

Ala Arg Gly Lys Asn Ala Ser Asp Met Pro Glu Thr Ile Thr Ser Arg  
 20 25 30

Asp Ala Ala Arg Phe Pro Ile Ile Ala Ser Cys Thr Leu Leu Gly Leu  
 35 40 45

Tyr Leu Phe Phe Lys Ile Phe Ser Gln Glu Tyr Ile Asn Leu Leu Leu  
 50 55 60

Ser Met Tyr Phe Phe Val Leu Gly Ile Leu Ala Leu Ser His Thr Ile  
 65 70 75 80

Ser Pro Phe Met Asn Lys Phe Phe Pro Ala Ser Phe Pro Asn Arg Gln  
 85 90 95

Tyr Gln Leu Leu Phe Thr Gln Gly Ser Gly Glu Asn Lys Glu Glu Ile  
 100 105 110

Ile Asn Tyr Glu Phe Asp Thr Lys Asp Leu Val Cys Leu Gly Leu Ser  
 115 120 125

Ser Ile Val Gly Val Trp Tyr Leu Leu Arg Lys His Trp Ile Ala Asn  
 130 135 140

Asn Leu Phe Gly Leu Ala Phe Ser Leu Asn Gly Val Glu Leu Leu His  
 145 150 155 160

Leu Asn Asn Val Ser Thr Gly Cys Ile Leu Leu Gly Gly Leu Phe Ile

165

170

175

Tyr Asp Val Phe Trp Val Phe Gly Thr Asn Val Met Val Thr Val Ala  
 180 185 190

Lys Ser Phe Glu Ala Pro Ile Lys Leu Val Phe Pro Gln Asp Leu Leu  
 195 200 205

Glu Lys Gly Leu Glu Ala Asn Asn Phe Ala Met Leu Gly Leu Gly Asp  
 210 215 220

Val Val Ile Pro Gly Ile Phe Ile Ala Leu Leu Leu Arg Phe Asp Ile  
 225 230 235 240

Ser Leu Lys Lys Asn Thr His Thr Tyr Phe Tyr Thr Ser Phe Ala Ala  
 245 250 255

Tyr Ile Phe Gly Leu Gly Xaa Tyr His Leu His His Ala His Leu Gln  
 260 265 270

Ala Cys Ser Val Met Arg Ser Gln Ile Leu Arg Ile Gln Arg Gln  
 275 280 285

&lt;210&gt; 104

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 104

Met Ser Arg Leu Leu Leu Phe Gly Arg Leu Cys Ser Leu Trp Cys  
 1 5 10 15

Leu Ser Trp Leu Tyr Ser Thr Asp Thr Arg Pro Leu Leu Arg Gly  
 20 25 30

&lt;210&gt; 105

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 105

Met Leu Pro Arg Leu Val Leu Asn Ser Trp Ala Cys Pro Pro Gln Pro  
 1 5 10 15

Pro Lys Val Leu Glu Leu Gln Ala Cys Ala Thr Ile Ser Ser Leu Ile  
 20 25 30

Thr Leu Phe Leu Met Phe Ile Lys Ser Ser His Pro Leu Ser Leu Ala  
 35 40 45

Glu Ala Ser Gln Glu Gly Gln Asn Gln Leu Gln Ser Thr Ile Ser Asp  
 50 55 60

Pro Glu Thr Trp Ile Leu Phe Val His Leu Asn Val Thr  
 65                   70                   75

<210> 106  
<211> 44  
<212> PRT  
<213> Homo sapiens

<400> 106  
Met Val Phe Leu Val Phe Tyr Val Leu Arg Ala Leu Lys Cys Asn Ser  
 1                   5                   10                   15

Ser Tyr His Ser Cys Thr Asn Val Leu Thr Gln Ile Ala Ser Gln Ile  
 20                   25                   30

Asp Lys Thr Leu Asn Asn Phe Ser Leu Lys Lys Cys  
 35                   40

<210> 107  
<211> 41  
<212> PRT  
<213> Homo sapiens

<400> 107  
Met Asn Pro Cys Leu Ser Ile Ile Phe Leu Leu Thr Pro Val Leu Leu  
 1                   5                   10                   15

Ser His Pro Leu Gln Ser Leu His Phe Leu Leu Lys Val Asp Leu Asp  
 20                   25                   30

Phe Ser Leu Ser Cys Ser Ile Cys Thr  
 35                   40

<210> 108  
<211> 69  
<212> PRT  
<213> Homo sapiens

<400> 108  
Met Thr Val Tyr Leu Leu Lys Thr His Pro Cys Phe Phe Val Ala Tyr  
 1                   5                   10                   15

Gln Met Gln Val Ala Leu Ile Ile Leu Leu Pro Gly Leu Arg Asn Ser  
 20                   25                   30

Lys Thr Val Thr Met Pro Leu Ser Pro Ala Leu Leu Pro Thr Leu Leu  
 35                   40                   45

Phe Phe Pro Ser Pro Thr Pro Phe Phe His Pro Phe Leu Ser Val Leu  
 50                   55                   60

Cys Cys Phe Lys Tyr  
 65

<210> 109  
<211> 48  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 109  
Met His Ala Thr Cys Thr Arg Thr Trp Arg Ala Gln Val Ser Leu His  
1 5 10 15  
Gln Pro Pro Cys Ser Arg Asp Trp Lys Ile Cys His Leu Leu Val Val  
20 25 30  
Leu Ser Leu Pro Pro Pro Thr Pro Ala Arg Xaa Pro Glu Phe Leu Asn  
35 40 45

<210> 110  
<211> 192  
<212> PRT  
<213> Homo sapiens

<400> 110  
Met Ile Arg Asn Asp Gln Asp Ser Leu Met Gln Leu Leu Gln Leu Gly  
1 5 10 15  
Leu Val Val Leu Gly Ser Gln Glu Ser Gln Glu Ser Asp Leu Ser Lys  
20 25 30  
Gln Leu Ile Ser Val Ile Ile Gly Leu Gly Val Ala Leu Leu Leu Val  
35 40 45  
Leu Val Ile Met Thr Met Ala Phe Val Cys Val Arg Lys Ser Tyr Asn  
50 55 60  
Arg Lys Leu Gln Ala Met Lys Ala Ala Lys Glu Ala Arg Lys Thr Ala  
65 70 75 80  
Ala Gly Val Met Pro Ser Ala Pro Ala Ile Pro Gly Thr Asn Met Tyr  
85 90 95  
Asn Thr Glu Arg Ala Asn Pro Met Leu Asn Leu Pro Asn Lys Asp Leu  
100 105 110  
Gly Leu Glu Tyr Leu Ser Pro Ser Asn Asp Leu Asp Ser Val Ser Val  
115 120 125  
Asn Ser Leu Asp Asp Asn Ser Val Asp Val Asp Lys Asn Ser Gln Glu  
130 135 140  
Ile Lys Glu His Arg Pro Pro His Thr Pro Pro Glu Pro Asp Pro Glu  
145 150 155 160

Pro Leu Ser Val Val Leu Leu Gly Arg Gln Ala Gly Ala Ser Gly Gln  
 165 170 175

Leu Glu Gly Pro Ser Tyr Thr Asn Ala Gly Leu Asp Thr Thr Asp Leu  
 180 185 190

<210> 111

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 111

Met Ala His Val Val Val Ala Arg Asn Glu Cys Leu Ile Arg Ala Phe  
 1 5 10 15

Leu Phe Leu Leu His Cys Val Ser Leu Leu Pro Ser Pro Gly Glu Val  
 20 25 30

Asn Ile Arg His Thr Leu Phe Thr Val Glu Glu Arg Leu Thr Thr Pro  
 35 40 45

Arg Ala Leu Lys Leu Ser Leu Ser Leu Ile Val Ser Leu His Ala Xaa  
 50 55 60

Cys Arg Lys Gln Glu Cys Ser  
 65 70

<210> 112

<211> 35

<212> PRT

<213> Homo sapiens

<400> 112

Met Arg Leu Thr Glu Lys Asp Thr Val Leu Phe Thr Lys Gly Val Leu  
 1 5 10 15

Phe Leu His Leu Phe Ile Asn Ala Leu Phe Trp Tyr Cys Lys Phe Gly  
 20 25 30

His Asn Phe  
 35

<210> 113

<211> 59

<212> PRT

<213> Homo sapiens

<400> 113

Met Thr Ser Val Ser Thr Gln Leu Ser Leu Val Leu Met Ser Leu Leu

1

5

10

15

Leu Val Leu Pro Val Val Glu Ala Val Glu Ala Gly Asp Ala Ile Ala  
 20 25 30

Leu Leu Leu Gly Val Val Leu Ser Ile Thr Gly Ile Cys Ala Cys Leu  
 35 40 45

Gly Val Tyr Ala Arg Lys Arg Asn Gly Gln Met  
 50 55

&lt;210&gt; 114

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 114

Met Asn Ser Phe Trp Ser Lys Leu Leu Val Leu Pro Leu Leu Ala Pro  
 1 5 10 15

Leu Ser Met Ala Arg Ala Ser Ala Cys Gln Arg Trp  
 20 25

&lt;210&gt; 115

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 115

Met Met Arg Leu Leu Asp Leu Arg Ile Phe Leu Met Ile His His Lys  
 1 5 10 15

Ala Lys Ser Trp Glu Ser His Thr  
 20

&lt;210&gt; 116

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 116

Met Pro Leu Ser Leu Leu Leu Ile Val Trp Lys Leu Glu Leu Cys Val  
 1 5 10 15

Gly Ser Ala Leu Val Leu Ile His Thr Gln Arg Arg Tyr Ile Ile Leu  
 20 25 30

Gln Val

&lt;210&gt; 117

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 117

Met	Leu	Leu	Ala	Thr	Leu	Leu	Leu	Leu	Leu	Gly	Gly	Ala	Leu	Ala
1					5				10			15		

His	Pro	Asp	Arg	Ile	Ile	Phe	Pro	Asn	His	Ala	Cys	Glu	Asp	Pro	Pro
					20			25					30		

Ala	Val	Leu	Leu	Glu	Val	Gln	Gly	Thr	Leu	Gln	Arg	Pro	Leu	Val	Arg
						35		40			45				

Asp	Ser	Arg	Thr	Ser	Pro	Ala	Asn	Cys	Thr	Trp	Leu	Thr	Lys	Arg	Val
						50		55			60				

Gln	Gln	Met	Leu	Leu	Phe	His	Ser	Tyr	Gly	Ile	Ala	Gln			
						65		70			75				

&lt;210&gt; 118

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 118

Met	Thr	Gly	Val	Phe	Lys	Leu	Pro	Leu	Leu	Phe	Trp	Val	His	Glu	Ala
1					5				10			15			

Ser	Val	Gly	Gly	Cys	Pro	Tyr	Val	Lys	Leu	Val	Glu	Phe	Glu	Glu	Met
					20			25			30				

Leu	Thr	Leu	Tyr	Gly	Ile	Leu	Leu	Ile	Leu	Phe					
					35			40							

&lt;210&gt; 119

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 119

Met	Gln	Leu	Ala	Pro	Phe	Ile	Ser	Ile	Pro	Val	Leu	Ser	Gly	Thr	Thr
1					5				10			15			

Pro	Trp	Thr	Ala	Val	Phe	Arg	Ala	Ser	Ser	Ile	Cys	Thr	Pro	Leu	Leu
					20			25			30				

Thr	Leu	Ser	Ala	Ala	Gly	Met	Leu	Val	Glu	Ser	Ser	Leu			
					35			40			45				

&lt;210&gt; 120

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 120

Met	Pro	Pro	Leu	Ser	Asp	Ile	Leu	Leu	Thr	Val	Ala	Val	Val	Ala	Phe
1					5				10			15			

Glu Met Thr Gly His Ile Tyr Ile Trp Pro His Thr  
 20                    25

<210> 121  
 <211> 62  
 <212> PRT  
 <213> Homo sapiens

<400> 121  
 Met Glu Leu Pro Cys Asp Cys Ser Lys Leu Leu Tyr Cys Lys Phe Ser  
 1                    5                    10                    15

Val Trp His Leu Pro Val Asn Ala Met Lys Leu Leu Ile Ile Phe Leu  
 20                    25                    30

Lys Val Leu His Cys Leu Phe Phe Leu Leu Leu Cys Lys Phe Leu Tyr  
 35                    40                    45

Thr Leu Ile Val Ile Leu Thr Asp Lys Tyr Ser Ile Leu Asn  
 50                    55                    60

<210> 122  
 <211> 86  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (68)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (72)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 122  
 Met Pro Val Ser Trp Gly Cys Pro Ser Lys Thr Pro Gln Thr Arg Ala  
 1                    5                    10                    15

Tyr Thr Arg Cys Val Tyr Phe Leu Met Val Leu Glu Ala Gly Val Gly  
 20                    25                    30

Gly His Ser Val Ser Arg Val Gly Ser Leu Glu Val Pro Pro Trp Leu  
 35                    40                    45

Val Ala Ala Asn Asn Phe Pro His Leu Met Trp Ser Ser Phe Cys Val  
 50                    55                    60

Gly Pro His Xaa Val Phe Leu Xaa Asp Pro Ser Leu Pro Asp Pro Gly  
 65                    70                    75                    80

Pro Pro Asn Asn Leu Thr  
 85

<210> 123  
<211> 63  
<212> PRT  
<213> Homo sapiens

<400> 123  
Met Cys Tyr Phe Leu Glu Ile Ser Leu Leu Met Val Phe Ala Leu Asn  
1 5 10 15  
  
Ile Lys Ala Ala Tyr Gly Cys Cys Asn Ile Asn Gly Thr Glu Val His  
20 25 30  
  
Arg Ala Lys Gly Pro Val Ser Val Pro Phe Pro Leu Ser Arg Pro Leu  
35 40 45  
  
Ser Gly Thr Pro Leu Leu Asp Arg Leu Arg Pro Phe Gln Thr Leu  
50 55 60

<210> 124  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 124  
Met Pro Leu Pro Ser Ser Phe Pro Leu Pro Val Phe Leu Ser Ser Cys  
1 5 10 15  
  
Pro Phe Leu Met Ser Val Ser Ile Gly Phe Leu Ile Leu Val Phe Asn  
20 25 30  
  
Val His Pro  
35

<210> 125  
<211> 31  
<212> PRT  
<213> Homo sapiens

<400> 125  
Met Phe Ile Phe Cys Val Ser Leu Ala Phe Leu Pro Arg Phe Ile Ser  
1 5 10 15  
  
Pro Gln Ser Cys Glu Trp Ala Gly Leu Ser Leu Val Trp His His  
20 25 30

<210> 126  
<211> 40  
<212> PRT  
<213> Homo sapiens

<400> 126  
 Met Lys Asn Asn Thr Gln Lys Arg Leu Phe Leu Trp Gly Glu Leu Leu  
 1 5 10 15  
 Leu Gln Asp Leu Ala Leu Ile Leu Tyr Leu Ser Ile Phe Leu Lys Ser  
 20 25 30  
 Thr Leu Thr Asn Leu Asn Leu Phe  
 35 40

<210> 127  
<211> 27  
<212> PRT  
<213> Homo sapiens

<400> 127  
 Met Leu Asn Val Phe Phe Ser Leu Ile Leu Phe Phe Ser Pro Asn Arg  
 1 5 10 15  
 Ala Leu Pro Ala Ile Ser Ser Cys Ile Thr Phe  
 20 25

<210> 128  
<211> 68  
<212> PRT  
<213> Homo sapiens

<400> 128  
 Met Arg Ala Val Gly Glu Arg Leu Leu Lys Leu Gln Arg Leu Pro  
 1 5 10 15  
 Gln Ala Glu Pro Val Glu Ile Val Ala Phe Ser Val Ile Ile Leu Phe  
 20 25 30  
 Thr Ala Thr Val Leu Leu Leu Ile Ala Cys Ser Cys Cys Cys  
 35 40 45

Thr His Cys Cys Cys Pro Glu Arg Arg Gly Arg Lys Val Gln Val Gln  
 50 55 60

Pro Thr Pro Pro  
 65

<210> 129  
<211> 87  
<212> PRT  
<213> Homo sapiens

<400> 129  
 Met Asp Pro Arg Arg Val Thr Ala Cys Cys His Val Trp Thr Val Gly  
 1 5 10 15  
 Leu Phe Cys Ile Trp Ala Val Gly Leu Ser Cys Ser Leu Ser Leu Ser  
 20 25 30

His Val Ile Val Trp Leu Ser Gly Ala Gly Cys Thr Leu Ile Cys Glu  
 35                    40                    45

Asp Asn Pro Phe Leu Leu Leu Phe Ser Gln Tyr Leu Gln Pro His His  
 50                    55                    60

Pro Glu Ile Met Lys Pro Phe Ile Leu Gly His Lys Ser Ser Asn Gly  
 65                    70                    75                    80

Gly Leu Ser Pro Pro Ser Ala  
 85

<210> 130

<211> 63

<212> PRT

<213> Homo sapiens

<400> 130

Met Phe Tyr Met Val Cys Val Leu Gly Ser Gly Ala Gln Pro Leu Ser  
 1                    5                    10                    15

Glu Leu Ala Tyr Leu Ala Lys Leu Pro Thr Leu Gln Val Gly Lys Tyr  
 20                    25                    30

Asn Pro Leu Phe Asn Lys Ala His Pro Leu His Pro Val Leu Thr Thr  
 35                    40                    45

Phe Cys Glu Cys Ala Val Ile Phe Ser Cys Ser Ile Ala Arg Trp  
 50                    55                    60

<210> 131

<211> 54

<212> PRT

<213> Homo sapiens

<400> 131

Met Arg Phe Gln Ser Tyr Leu Trp Pro Ser Arg Ile Leu Val Gly Thr  
 1                    5                    10                    15

Tyr Cys Ile Ala Ala Glu Val Leu Phe Pro Ser Ala Leu Ala Ser Cys  
 20                    25                    30

Gly Pro Val Trp Gln Gly Gly Ala Pro Thr Lys Ser Trp Gln Pro Gly  
 35                    40                    45

Ala Lys Thr Ile Ile Pro  
 50

<210> 132

<211> 40

<212> PRT

<213> Homo sapiens

&lt;400&gt; 132

Met	Arg	Arg	Trp	Ala	Gly	Phe	Gly	Lys	Ser	Pro	Gln	Phe	Trp	Trp	Thr
1				5				10					15		

Gly	Ile	Leu	Val	Ala	Leu	Gly	Ala	Ala	Leu	Leu	Gly	Gly	Pro	Arg	Leu
					20			25				30			

Gly	Arg	Arg	Leu	Thr	Phe	Gly	Leu								
						35	40								

&lt;210&gt; 133

&lt;211&gt; 68

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 133

Met	Ala	Leu	Ala	Ile	Phe	Ile	Pro	Val	Leu	Ile	Ile	Ser	Leu	Leu	Leu
1				5				10				15			

Gly	Gly	Ala	Tyr	Ile	Tyr	Ile	Thr	Arg	Cys	Arg	Tyr	Tyr	Ser	Asn	Leu
					20			25				30			

Arg	Leu	Pro	Leu	Met	Tyr	Ser	His	Pro	Tyr	Ser	Gln	Ile	Thr	Val	Glu
				35				40				45			

Thr	Glu	Phe	Asp	Asn	Pro	Ile	Tyr	Glu	Thr	Gly	Glu	Thr	Arg	Glu	Tyr
					50			55				60			

Glu	Val	Ser	Ile												
			65												

&lt;210&gt; 134

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 134

Met	Gly	Phe	Leu	Phe	Leu	His	Ile	Leu	Pro	Ser	Ile	Ile	Asn	Thr	Arg
1				5				10				15			

Ser	Ala	Pro	Gln	Pro	Thr	Ser	Cys	Arg	Met	Gln	Pro	Glu	Gln	Gln	Pro
				20				25				30			

His	Ser	Thr	Leu	Lys	Pro	Val	Ile	Leu	Gly	Met	Met	Ile	Ile	Ser	
					35			40				45			

&lt;210&gt; 135

&lt;211&gt; 76

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 135

Met	Ser	Gly	Leu	Val	Gly	Gly	Gly	Ser	Arg	Cys	Ser	Lys	Val	Arg	Phe
1					5				10					15	

Arg	Cys	Phe	Asn	Gly	Asp	Ser	Leu	Leu	Val	Leu	Val	Leu	Gln	His	His
								20	25				30		

Phe	Arg	Leu	Cys	Ser	Trp	Cys	Leu	Ala	Pro	Ser	Leu	Phe	Leu	Leu	Leu
								35	40			45			

Ser	Cys	Gln	Val	Val	Ser	Thr	Met	Met	Glu	Gln	Asp	Pro	Val	Ile	Tyr
							50	55			60				

Asp	Asp	Asp	Asp	Asp	Leu	Pro	Asn	Tyr	Phe	Ser	Val
					65		70		75		

&lt;210&gt; 136

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 136

Met	Phe	Leu	Glu	Leu	Pro	Met	Gln	His	Ser	Asp	Val	Leu	Leu	Phe	Leu
1					5				10			15			

Val	Cys	Trp	Lys	Ala	Met	Gly	Ser	Lys	Lys	Ser	Pro	Ser	His	Phe	Xaa
					20			25				30			

Pro	Glu	Val	Gly	Gly	Ile	Xaa	Pro	Ser	Phe	Gly	Met	Leu	Asn	Val	Thr
					35			40			45				

Leu	Leu	Arg	Ser	Leu	Thr
		50			

&lt;210&gt; 137

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 137

Met	Leu	Val	Leu	Phe	Pro	Leu	Leu	Tyr	Arg	Gly	Trp	Ser	Pro	Val	Pro
1					5				10			15			

Gly	Thr	Ala	Glu	Gly	Gly	Met	Cys	Cys	Cys	Cys	Cys	Ile	Ser	Arg
					20			25			30			

Tyr Ser Leu Leu Thr Ser Ser Gln Asp Lys Glu Pro Pro Tyr Glu Met  
 35                          40                          45

Ser Ser Ser Glu Leu Ser  
 50

<210> 138  
<211> 35  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 138  
Met Thr Cys Tyr Glu Val Ile Leu Phe Phe Ile Lys Leu Phe Ser Asp  
 1                        5                        10                        15

Met Gly Lys Tyr Lys Glu Cys Lys Glu Phe Lys Lys Gln Arg Thr Lys  
 20                        25                        30

Xaa Tyr Met  
 35

<210> 139  
<211> 80  
<212> PRT  
<213> Homo sapiens

<400> 139  
Met Lys Ala Gln Pro Leu Glu Ala Leu Leu Val Ala Leu Val Leu  
 1                        5                        10                        15

Ser Phe Cys Gly Val Trp Phe Glu Asp Trp Leu Ser Lys Trp Arg Phe  
 20                        25                        30

Gln Cys Ile Phe Gln Leu Ala His Gln Pro Ala Leu Val Asn Ile Gln  
 35                        40                        45

Phe Arg Gly Thr Val Leu Gly Ser Glu Thr Phe Leu Gly Ala Glu Glu  
 50                        55                        60

Asn Ser Ala Asp Val Arg Ser Trp Gln Thr Leu Ser Tyr Phe Glu Leu  
 65                        70                        75                        80

<210> 140  
<211> 67  
<212> PRT  
<213> Homo sapiens

<400> 140  
Met Ala Ala Ser Val Gly Arg Ala Thr Arg Ser Ala Ala Ala His Leu

1

5

10

15

Thr Gln Leu Pro Pro Ala Pro Arg Ala Gln Arg Thr Ser Pro Ala Gln  
 20 25 30

Pro Asp Glu Gly Lys Arg Arg Asp Ala Asp Pro Trp Arg Thr Gly Pro  
 35 40 45

Thr Val Asn Lys Thr Gly Ser Ile Pro Gly Arg Leu Arg Gly Trp Ala  
 50 55 60

Arg Ala Glu  
 65

&lt;210&gt; 141

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 141

Met Gly Trp Leu Cys Cys Glu Pro Ser Gly Leu Tyr Asn Leu Glu Lys  
 1 5 10 15

Gln Tyr Phe Phe Phe Ser Ser Leu Gln Ala Gly Leu Pro Val Ile Val  
 20 25 30

Ser Ser Gly Cys Thr Lys Ile Ala Tyr Gly Phe Ala Val Tyr Ser Pro  
 35 40 45

Ser Ser  
 50

&lt;210&gt; 142

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 142

Met Arg Arg Cys Val Arg His Val Leu Gly Ile Gly Leu Ile Val Leu  
 1 5 10 15

Lys Asn Leu Tyr Phe His Lys Asn Ser Met Tyr Pro Ser Pro Lys Leu  
 20 25 30

Ser Ser Phe Gln Glu Ala Phe Leu Phe Phe Leu Ile Leu Lys Asn  
 35 40 45

Pro Leu Thr Leu Cys Ser  
 50

&lt;210&gt; 143

&lt;211&gt; 49

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 143

Ile	His	Pro	Ser	Arg	Ser	Thr	Leu	Ser	Ser	Gln	Leu	Val	Thr	Leu	Pro
1															15

Leu	Phe	Glu	Leu	Val	Phe	Pro	Ile	Pro	Ser	Ser	Gln	Ser	Pro	Phe	Ser
															30
									25						

Leu	Asn	Tyr	Leu	Ser	Glu	Phe	Pro	Leu	Pro	Glu	His	Glu	Pro	Cys	Leu
															45
									40						

Glu

&lt;210&gt; 144

&lt;211&gt; 86

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 144

Met	Thr	Cys	Cys	Cys	Leu	Leu	Cys	Lys	Leu	Gln	Gly	Ile	Phe	Phe	Phe
1															15

Ser	Phe	Asn	Ser	Ser	Val	Leu	Lys	Ser	Ile	Leu	Gly	Thr	Thr	Arg	Thr
															30
									25						

Leu	Ser	Ala	Pro	Trp	Ile	Gly	Val	Ser	Val	Lys	Gly	Thr	Gln	Trp	Ala
															45
									35						

Leu	Gly	Ser	Ala	Arg	Pro	Gly	Cys	Gly	Ser	Gln	Leu	Thr	Ser	Ser	Leu
															50
									55						60

Gly	Gly	Leu	Arg	Gln	Val	Ile	Cys	Gln	Pro	His	Leu	Gln	Lys	His	Asp
															65
									70			75			80

Ala	Lys	Leu	Xaa	Ser	Val										
															85

&lt;210&gt; 145

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 145

Met	His	Lys	Cys	Asn	Thr	Val	Thr	Arg	Glu	Leu	Leu	Gln	Leu	Ser	Leu
1															15

Leu	Ile	Leu	Pro	Ser	Gln	Cys	Gly	Asn	Cys	Ala	Thr	Ser	Thr	Lys	Arg
															30
									20			25			

Gly	Pro	Arg	Leu	Leu	Lys	Tyr	Phe	Arg	Thr	Ser	Pro	Gln	Glu	Gln	Thr
															45
									35			40			

Pro Leu His Leu Asp Ser Asp Cys Ser  
50 55

<210> 146  
<211> 87  
<212> PRT  
<213> Homo sapien

<400> 146  
Met Ser His Cys Ala Arg Pro Leu Phe Phe Glu Thr Phe Phe Ile Leu  
1 5 10 15

Leu Ser Pro Arg Leu Lys Cys Ser Gly Thr Asn Thr Val His Tyr Ser  
                  20                 25                 30

Leu Asp Leu Leu Gly Ser Ser Asn Ser Ala Ser Val Pro Gln Val Gly  
35 40 45

Gly Leu Thr Asn Ala Gln His Asp Thr Trp Leu Ile Phe Val Phe Cys  
50 55 60

Val Cys Val Cys Glu Pro Leu Arg Arg Pro Trp Ala Ala Phe Leu Ile  
65 70 75 80

Ser Val Thr Ser Ser Ile Lys  
85

<210> 147  
<211> 230  
<212> PRT  
<213> *Homo sapiens*

<220>  
<221> SITE  
<222> (216)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 147  
Met Gly Leu Ala Leu Tyr Val Leu Pro Val Leu Gly Gln His Val Ala  
1 5 10 15

Thr Gln His Phe Pro Val Ala Glu Ala Glu Ala Val Val Leu Thr Leu  
20 25 30

Leu Ala Ile Tyr Ala Ala Gly Leu Ala Leu Pro His Asn Thr His Arg  
35 40 45

Val Val Ser Thr Gln Ala Pro Asp Arg Gly Trp Met Ala Leu Lys Leu  
50 55 60

Val Ala Leu Ile Tyr Leu Ala Leu Gln Leu Gly Cys Ile Ala Leu Thr  
65 70 75 80

Asn Phe Ser Leu Gly Phe Leu Leu Ala Thr Thr Met Val Pro Thr Ala  
85 90 95

Ala Leu Ala Lys Pro His Gly Pro Arg Thr Leu Tyr Ala Ala Leu Leu  
 100 105 110  
 Val Leu Thr Ser Pro Ala Ala Thr Leu Leu Gly Ser Leu Phe Leu Trp  
 115 120 125  
 Arg Glu Leu Gln Glu Ala Pro Leu Ser Leu Ala Glu Gly Trp Gln Leu  
 130 135 140  
 Phe Leu Ala Ala Leu Ala Gln Gly Val Leu Glu His His Thr Thr Ala  
 145 150 155 160  
 Pro Cys Ser Ser His Cys Cys Pro Trp Ala Ser Thr Pro Ala Gly Cys  
 165 170 175  
 Phe Ser Gly Met Cys Ser Ser Gly Ser Glu Ile Cys Leu Ser Gly Leu  
 180 185 190  
 Gly Gln Arg Leu Pro Lys Asp Pro Ile Leu Pro Pro Ser Gly Glu Ile  
 195 200 205  
 Asn Glu Cys Leu Phe Gln Gln Xaa Lys Lys Lys Lys Lys Lys Lys  
 210 215 220  
 Lys Lys Lys Lys Gly Gly  
 225 230

<210> 148  
 <211> 62  
 <212> PRT  
 <213> Homo sapiens

<400> 148  
 Gln Pro Ala Leu Leu Tyr Leu Val Pro Ala Cys Ile Gly Phe Pro Val  
 1 5 10 15

Leu Val Ala Leu Ala Lys Gly Glu Val Thr Glu Met Phe Ser Tyr Glu  
 20 25 30

Glu Ser Asn Pro Lys Asp Pro Ala Ala Val Thr Glu Ser Lys Glu Gly  
 35 40 45

Thr Glu Ala Ser Ala Ser Lys Gly Leu Glu Lys Lys Glu Lys  
 50 55 60

<210> 149  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 149  
 Gln Leu Ile Leu Ser Leu Leu Arg Gly Phe Cys Lys Thr Glu Arg Val  
 1 5 10 15

Gly

<210> 150  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 150  
Met Ala Leu Gly Ala Arg Glu Leu Pro Gly Ser Leu Ser Arg Trp  
1 5 10 15

<210> 151  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 151  
Met Tyr Ser Phe Ser Val Leu Glu Ile Thr Cys Phe Ile Leu Phe Leu  
1 5 10 15

Trp Pro Ser Trp Val  
20

<210> 152  
<211> 24  
<212> PRT  
<213> Homo sapiens

<400> 152  
Met Lys Ile Lys Gln Arg Phe Ser Leu Leu Phe His Cys Pro Phe  
1 5 10 15

Pro Pro Cys Cys Leu Ser Leu Gly  
20

<210> 153  
<211> 40  
<212> PRT  
<213> Homo sapiens

<400> 153  
Met Asn Gly Leu Phe Gln Leu Glu Ile Ser His Lys Leu Trp Thr Lys  
1 5 10 15

Ser Lys Thr Ser Leu Met Thr Leu Leu Ser Val Met Ala Leu Leu Trp  
20 25 30

Lys Ile Leu Trp Ser Arg Ala Ile  
35 40

<210> 154  
<211> 24  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 154

Met	Thr	Pro	Gly	Leu	Phe	Leu	Tyr	Phe	Val	Cys	Val	Cys	Val	Ser	His
1				5					10					15	

Cys	Ala	Gly	Leu	Gly	Gln	Leu	Ser								
							20								

&lt;210&gt; 155

&lt;211&gt; 103

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 155

Ile	Arg	His	Glu	Leu	Gly	Cys	Ser	Trp	Arg	Phe	Arg	Ala	Val	Lys	Ala
1				5					10					15	

Ala	Ser	Ala	Gln	Gly	Leu	Phe	Leu	Ser	Ala	Pro	Gly	Pro	Ala	Ala	Arg
								20		25			30		

Arg	Cys	His	Gly	Val	Val	Arg	Cys	Phe	Ser	Thr	Cys	Arg	Ala	Leu	Thr
						35		40			45				

Ala	Arg	Cys	Thr	Gly	Arg	Val	Pro	Trp	Glu	Ala	Cys	Leu	Tyr	Ser	Ser
						50		55			60				

Glu	Pro	Pro	Leu	Thr	Glu	Thr	Val	Ala	Arg	Ser	Val	Ser	Trp	Thr	Cys
65					70				75					80	

Glu	Leu	Ala	Leu	Thr	Cys	Tyr	Ala	Pro	Arg	Ala	Leu	Ser	Gly	Ala	Pro
					85				90				95		

Val	Leu	Cys	Arg	His	Asp	Val									
						100									

&lt;210&gt; 156

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 156

Val	His	Leu	Gly	Leu	Pro	Pro	Gly	Asp	Ala						
1				5					10						

&lt;210&gt; 157

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 157

Arg	Ala	Val	Lys	Ala	Ala	Ser	Ala	Gln	Gly	Leu	Phe	Leu	Ser	Ala	Pro
1					5					10				15	

Gly Pro

<210> 158  
<211> 28  
<212> PRT  
<213> Homo sapiens

<400> 158  
Gly Val Val Arg Cys Phe Ser Thr Cys Arg Ala Leu Thr Ala Arg Cys  
1 5 10 15  
Thr Gly Arg Val Pro Trp Glu Ala Cys Leu Tyr Ser  
20 25

<210> 159  
<211> 23  
<212> PRT  
<213> Homo sapiens

<400> 159  
Ser Val Ser Trp Thr Cys Glu Leu Ala Leu Thr Cys Tyr Ala Pro Arg  
1 5 10 15  
Ala Leu Ser Gly Ala Pro Val  
20

<210> 160  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 160  
Asn Ser Ala Arg Ala Lys Thr Lys Glu Thr Phe Gly Gly  
1 5 10

<210> 161  
<211> 46  
<212> PRT  
<213> Homo sapiens

<400> 161  
Phe Leu Ala Ile His Phe Pro Thr Asp Phe Pro Leu Lys Pro Pro Lys  
1 5 10 15  
Val Ala Phe Thr Arg Met Tyr Phe Pro Asn Ser Asn Ser Asn Gly Ser  
20 25 30  
Thr Cys Leu Asp Ile Leu Trp Ser Gln Trp Ser Pro Ala Leu  
35 40 45

<210> 162  
<211> 23  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 162

Leu	Lys	Pro	Pro	Lys	Val	Ala	Phe	Thr	Arg	Met	Tyr	Phe	Pro	Asn	Ser
1				5				10					15		

Asn	Ser	Asn	Gly	Ser	Thr	Cys									
				20											

&lt;210&gt; 163

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 163

Ala	Gly	Ile	Arg	His	Glu	Gly	Thr	Thr	Pro	Cys	Phe	Cys	Lys	Gly	Leu
1				5				10					15		

Glu	Asn	Ile	Tyr	Pro	Val	Pro	Phe	Leu	Phe	Ala	Phe	Val	Phe	Ile	Ile
				20				25				30			

Leu	Ala	Asn	Tyr	Trp	Lys										
		35													

&lt;210&gt; 164

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 164

His	Ser	Val	Val	Thr	Val	Val	Ser	Ser	Thr	Ile	Ser	Lys	Val	Leu	Phe
1				5					10			15			

Ser	Ile	Cys	Ser	Pro	Leu	Tyr	Asp	Ser	Asn	Pro	His	Asp	Leu	Leu	Val
				20				25				30			

Asn	Glu	Val	Ala	Glu	Ile	Phe	Thr	Met	Ser	Ile	Ile				
				35				40							

&lt;210&gt; 165

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 165

Asn	Ser	Ala	Arg	Ala	Gly	Gln	Asp	Arg	Arg	Gly	Pro	Arg	Val	Thr	Ala
1				5				10				15			

Glu	Gln	Thr	Leu	Pro	Ala	Ala	Ala	Ala	Ala	Ala	Leu	Leu	Arg	Asp	
				20				25			30				

Glu	Pro	Glu	Arg	Leu	Ala										
		35													

&lt;210&gt; 166

<211> 27  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 166  
Leu His His Pro His Xaa Leu Pro Leu Ala Leu Xaa Ile Gln Asn Phe  
1 5 10 15

Pro Gln Ser Leu Ala Ala Arg Leu Ser Trp Gly  
20 25

<210> 167  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 167  
Met Ile Leu Val Phe Thr Val Lys Leu Ser Asn Val  
1 5 10

<210> 168  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 168  
Thr Pro Val Ile Thr Val Leu Thr Ile Lys Phe Phe Gln Leu Ser Phe  
1 5 10 15

Phe Thr Glu Ile  
20

<210> 169  
<211> 42  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 169

Gln Val Ala Glu Ser Ile Leu Leu Thr Asp Glu Gln Pro Lys Ala Gly  
1 5 10 15

Gln Thr Leu Leu Xaa Ala Leu Pro Ala Pro Xaa Ile Arg Asn Thr Gly  
20 25 30

Lys Glu Ile Gly Thr Ala Thr Gln Pro Ser  
35 40

<210> 170

<211> 7

<212> PRT

<213> Homo sapiens

<400> 170

Pro Gly Ser His Arg Glu Asp  
1 5

<210> 171

<211> 27

<212> PRT

<213> Homo sapiens

<400> 171

Glu His Val Trp Gly Phe Val Trp Val Thr Leu Trp Leu Pro Lys Pro  
1 5 10 15

Pro Phe Pro Thr Val Ile Ser Leu Lys Cys Leu  
20 25

<210> 172

<211> 8

<212> PRT

<213> Homo sapiens

<400> 172

Ile Arg His Glu Gly Ile Thr Gly  
1 5

<210> 173

<211> 9

<212> PRT

<213> Homo sapiens

<400> 173

Gly Phe Gly Leu Gly Asn Gly Ala Glu  
1 5

<210> 174

<211> 6

<212> PRT  
<213> Homo sapiens

<400> 174  
Arg Ile Tyr Met Leu Ile  
1 5

<210> 175  
<211> 91  
<212> PRT  
<213> Homo sapiens

<400> 175  
Thr His Ile Arg Lys Gln Tyr Ala Ala Val Pro Val Arg Ile Pro Gly  
1 5 10 15

Arg Pro Thr Arg Pro Pro Thr Arg Pro His Leu Pro Trp Leu Trp Gly  
20 25 30

Gly Ala Ser Met Pro Cys Val Ala Leu Gly Trp Ala Val Ala Pro His  
35 40 45

Cys Ser Ser Phe Leu Phe Thr Asn His Ala Ser Leu Leu Val Ser Ser  
50 55 60

Asp Glu Ile Thr Trp Ile Ser Trp Leu Pro Val Lys Asp Leu His Ala  
65 70 75 80

Tyr Tyr Gly Phe Phe Val Val Val Val Trp  
85 90

<210> 176  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 176  
Val Pro Val Arg Ile Pro Gly Arg Pro Thr Arg Pro Pro Thr Arg Pro  
1 5 10 15

His Leu Pro Trp Leu Trp Gly Gly Ala  
20 25

<210> 177  
<211> 24  
<212> PRT  
<213> Homo sapiens

<400> 177  
Val Ala Pro His Cys Ser Ser Phe Leu Phe Thr Asn His Ala Ser Leu  
1 5 10 15  
Leu Val Ser Ser Asp Glu Ile Thr  
20

<210> 178  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 178  
Met Leu Gln Tyr Leu Asn  
1 5

<210> 179  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 179  
Ile Arg His Glu Val Ser Leu Pro Ser Thr Phe Ser Val Leu His Arg  
1 5 10 15

Ile

<210> 180  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 180  
Arg Ala Arg Glu Gln Trp Gly Ser Gly Trp Ala His Ala  
1 5 10

<210> 181  
<211> 101  
<212> PRT  
<213> Homo sapiens

<400> 181  
Met Leu Leu Thr Pro His Phe Asn Val Ala Asn Pro Gln Asn Leu Leu  
1 5 10 15

Ala Gly Leu Trp Leu Glu Asn Glu His Ser Phe Thr Leu Met Ala Pro  
20 25 30

Glu Arg Ala Arg Thr His His Cys Gln Pro Glu Glu Arg Lys Val Leu  
35 40 45

Phe Cys Leu Phe Pro Ile Val Pro Asn Ser Gln Ala Gln Val Gln Pro  
50 55 60

Pro Gln Met Pro Pro Phe Cys Cys Ala Ala Ala Lys Glu Lys Thr Gln  
65 70 75 80

Glu Glu Gln Leu Gln Glu Pro Leu Gly Ser Gln Cys Pro Asp Thr Cys  
85 90 95

Pro Asn Ser Leu Cys  
100

<210> 182  
<211> 85  
<212> PRT  
<213> Homo sapiens

<400> 182  
Arg Met Ser Thr Val Ser Pro Leu Trp Leu Gln Lys Glu Gln Glu His  
1 5 10 15

Thr Thr Ala Ser Gln Lys Arg Glu Lys Ser Cys Ser Val Ser Phe Pro  
20 25 30

Leu Ser Gln Ile Ala Lys His Arg Phe Asn His Pro Lys Cys His Pro  
35 40 45

Ser Ala Val Gln Gln Pro Arg Lys Arg Pro Arg Arg Ser Ser Ser Lys  
50 55 60

Asn Leu Trp Ala Val Ser Ala Gln Ile Leu Ala Pro Ile Leu Cys Val  
65 70 75 80

Gln Ala Thr Leu Ser  
85

<210> 183  
<211> 31  
<212> PRT  
<213> Homo sapiens

<400> 183  
Gly Leu Trp Leu Glu Asn Glu His Ser Phe Thr Leu Met Ala Pro Glu  
1 5 10 15

Arg Ala Arg Thr His His Cys Gln Pro Glu Glu Arg Lys Val Leu  
20 25 30

<210> 184  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 184  
Glu His Thr Thr Ala Ser Gln Lys Arg Glu Lys Ser Cys Ser Val Ser  
1 5 10 15

Phe Pro Leu Ser Gln  
20

<210> 185  
<211> 122  
<212> PRT

<213> Homo sapiens

<400> 185

Thr	Cys	Ala	Trp	Leu	Phe	Gly	Thr	Met	Gly	Lys	Arg	Gln	Asn	Lys	Thr
1				5				10						15	

Phe	Leu	Ser	Ser	Gly	Trp	Gln	Trp	Cys	Val	Leu	Ala	Leu	Ser	Gly	Ala
						20		25				30			

Ile	Arg	Val	Lys	Leu	Cys	Ser	Phe	Ser	Ser	Gln	Arg	Pro	Ala	Asn	Arg
							35	40			45				

Phe	Trp	Gly	Phe	Ala	Thr	Leu	Lys	Cys	Gly	Val	Asn	Ser	Ile	Ala	Thr
						50	55			60					

Thr	Ser	Gly	Asp	Arg	Val	Lys	Tyr	Ser	Lys	Ser	Gly	Arg	Ser	Arg	Gln
						65	70		75			80			

Leu	Tyr	Ile	Pro	Leu	Val	Phe	Leu	Tyr	Gly	Pro	Val	Cys	Leu	Gly	Lys
						85		90			95				

Lys	Ser	His	Ile	Leu	Leu	Lys	Gly	Ser	Asn	Tyr	Ser	Ala	Leu	Leu	Phe
						100		105			110				

Cys	Lys	Val	Leu	Phe	Lys	Cys	Ser	Lys	Tyr
						115	120		

<210> 186

<211> 25

<212> PRT

<213> Homo sapiens

<400> 186

Lys	Arg	Gln	Asn	Lys	Thr	Phe	Leu	Ser	Ser	Gly	Trp	Gln	Trp	Cys	Val
1				5				10				15			

Leu	Ala	Leu	Ser	Gly	Ala	Ile	Arg	Val
					20		25	

<210> 187

<211> 23

<212> PRT

<213> Homo sapiens

<400> 187

Leu	Lys	Cys	Gly	Val	Asn	Ser	Ile	Ala	Thr	Thr	Ser	Gly	Asp	Arg	Val
1				5				10			15				

Lys	Tyr	Ser	Lys	Ser	Gly	Arg
				20		

<210> 188

<211> 19

<212> PRT

<213> Homo sapiens

<400> 188  
Leu Leu Lys Gly Ser Asn Tyr Ser Ala Leu Leu Phe Cys Lys Val Leu  
1 5 10 15

Phe Lys Cys

<210> 189  
<211> 211  
<212> PRT  
<213> *Homo sapiens*

<400> 189  
Met Arg Leu Phe Leu Trp Asn Ala Val Leu Thr Leu Phe Val Thr Ser  
1 5 10 15

Leu Ile Gly Ala Leu Ile Pro Glu Pro Glu Val Lys Ile Glu Val Leu  
20 25 30

Gln Lys Pro Phe Ile Cys His Arg Lys Thr Lys Gly Gly Asp Leu Met  
35 40 45

Leu Val His Tyr Glu Gly Tyr Leu Glu Lys Asp Gly Ser Leu Phe His  
 50 55 60

Ser Thr His Lys His Asn Asn Gly Gln Pro Ile Trp Phe Thr Leu Gly  
65 70 75 80

Ile Leu Glu Ala Leu Lys Gly Trp Asp Gln Gly Leu Lys Gly Met Cys  
85 90 95

Val Gly Glu Lys Arg Lys Leu Ile Ile Pro Pro Ala Leu Gly Tyr Gly  
           100                  105                  110

Lys Glu Gly Lys Gly Lys Ile Pro Pro Glu Ser Thr Leu Ile Phe Asn  
           115                  120                  125

Ile Asp Leu Leu Glu Ile Arg Asn Gly Pro Arg Ser His Glu Ser Phe  
130 135 140

Gln Glu Met Asp Leu Asn Asp Asp Trp Lys Leu Ser Lys Asp Glu Val  
145 150 155 160

Lys Ala Tyr Leu Lys Lys Glu Phe Glu Lys His Gly Ala Val Val Asn  
165 170 175

Glu Ser His His Asp Ala Leu Val Glu Asp Ile Phe Asp Lys Glu Asp  
           180                   185                   190

Glu Asp Lys Asp Gly Phe Ile Ser Ala Arg Glu Phe Thr Tyr Lys His  
195 200 205

Asp Glu Leu  
210

<210> 190  
<211> 186  
<212> PRT  
<213> Homo sapiens

<400> 190  
Glu Val Lys Ile Glu Val Leu Gln Lys Pro Phe Ile Cys His Arg Lys  
1 5 10 15  
Thr Lys Gly Gly Asp Leu Met Leu Val His Tyr Glu Gly Tyr Leu Glu  
20 25 30  
Lys Asp Gly Ser Leu Phe His Ser Thr His Lys His Asn Asn Gly Gln  
35 40 45  
Pro Ile Trp Phe Thr Leu Gly Ile Leu Glu Ala Leu Lys Gly Trp Asp  
50 55 60  
Gln Gly Leu Lys Gly Met Cys Val Gly Glu Lys Arg Lys Leu Ile Ile  
65 70 75 80  
Pro Pro Ala Leu Gly Tyr Gly Lys Glu Gly Lys Gly Lys Ile Pro Pro  
85 90 95  
Glu Ser Thr Leu Ile Phe Asn Ile Asp Leu Leu Glu Ile Arg Asn Gly  
100 105 110  
Pro Arg Ser His Glu Ser Phe Gln Glu Met Asp Leu Asn Asp Asp Trp  
115 120 125  
Lys Leu Ser Lys Asp Glu Val Lys Ala Tyr Leu Lys Lys Glu Phe Glu  
130 135 140  
Lys His Gly Ala Val Val Asn Glu Ser His His Asp Ala Leu Val Glu  
145 150 155 160  
Asp Ile Phe Asp Lys Glu Asp Glu Asp Lys Asp Gly Phe Ile Ser Ala  
165 170 175  
Arg Glu Phe Thr Tyr Lys His Asp Glu Leu  
180 185

<210> 191  
<211> 633  
<212> DNA  
<213> Homo sapiens

<400> 191  
atgaggctt tcttgtggaa cgcggtcttg actctgttcg tcacttcttt gattggggct 60  
ttgatccctg aaccagaagt gaaaattgaa gttctccaga agccattcat ctgccatcgc 120  
aagaccaaag gaggggattt gatgttggtc cactatgaag gctacttaga aaaggacggc 180  
tccttatttc actccactca caaacataac aatggtcagc ccatttggtt taccctggc 240  
atcctggagg ctctcaaagg ttgggaccag ggcttgaaag gaatgtgtgt aggagagaag 300

agaaaagctca tcattcctcc tgctctggc tatggaaaag aaggaaaagg taaaattccc	360
ccagaaaagta cactgatatt taatattgtat ctctggaga ttgcgaaatgg accaagatcc	420
catgaatcat tccaagaaat ggatcttaat gatgactgga aactctctaa agatgaggtt	480
aaagcatatt taaagaagga gtttggaaaa catggtgccg tggtaatga aagtcatcat	540
gatgcttgg tggaggatat ttttgataaa gaagatgaag acaaagatgg gtttatatct	600
gccagagaat ttacatataa acacgatgag tta	633

<210> 192  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 192  
Ser Arg Gly Thr Phe Arg Cys Phe Cys Arg Asp Phe Phe Pro Cys Phe  
1                   5                   10                   15

Ser Asn

<210> 193  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 193  
Gln Glu Gln Pro Val Gly Thr Ala Ala Val Val Gly Gly Gly Arg Gly  
1                   5                   10                   15

Ser Val Ala Ala Pro Pro Cys Pro Ala  
20                   25

<210> 194  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 194  
Gly Asn Val Ala Phe Pro Ala Glu Pro Val Ser Pro Pro Ala Ser Leu  
1                   5                   10                   15

Leu Gln Gln Pro Glu Leu Glu Ser Asp Pro Glu Arg Thr Leu Ala Met  
20                   25                   30

Asp Ser Ala Leu Ser Asp Pro His Asn Gly Ser Ala Glu Ala Gly Gly  
35                   40                   45

Pro Thr Asn Ser Thr Thr Arg Pro Pro Ser Thr Pro Glu Gly Ile Ala  
50                   55                   60

Leu Ala Tyr Gly Ser Leu Leu Leu  
 65                           70

<210> 195  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 195  
 Val Ser Pro Pro Ala Ser Leu Leu Gln Gln Pro Glu Leu Glu Ser Asp  
 1                       5                       10                       15  
 Pro Glu Arg Thr Leu Ala  
 20

<210> 196  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 196  
 Gly Ser Ala Glu Ala Gly Gly Pro Thr Asn Ser Thr Thr Arg Pro Pro  
 1                       5                       10                       15  
 Ser Thr Pro Glu Gly  
 20

<210> 197  
 <211> 251  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 197  
 Ala Cys Leu Lys Met Cys Met Met Lys Met Val Xaa Pro Gln Ala Glu  
 1                       5                       10                       15  
 Xaa Val Gly Cys Lys Ala Gly Val Glu Val Gly Val Gly Ile Leu Leu  
 20                       25                       30

Gln Ala Asp Val Lys Ala Gln Gln Gly Asn Glu Asp Pro Trp Asn  
 35                       40                       45  
 Asp Asp Ile Ser Lys Ser Gln His Gly Lys Val Val Cys Phe Glu Ala  
 50                       55                       60

Phe Leu Gln Gln Ile Leu Gly Lys His Gln Phe Tyr Trp Cys Leu Glu  
 65 70 . 75 80  
 Gly Leu Gly His Cys His His Ile Gly Ala Lys Tyr Pro Glu Asp  
 85 90 95  
 Ile Val Asp Glu Glu Ser Ala Gln Gln Asp Ala Ala Ser Ala Asp Ile  
 100 105 110  
 Val Glu Val Gln Glu Leu Tyr Ser Ile Lys Gly Glu Gly Gln Ala Lys  
 115 120 125  
 Lys Val Val Gly Asn Pro Val Leu Pro Gln Gln Val Pro Asp Ala Asn  
 130 135 140  
 Asp Ala Ala Gln Ala Gln Ala His Gln Val Leu Gly Val Lys Phe Ile  
 145 150 155 160  
 Ile Asp Asp Leu Phe Leu Val Phe Pro Arg Thr Leu Cys Glu Glu Gln  
 165 170 175  
 Leu Val Leu Ser Ile Trp Lys Ala Gly Trp Lys Lys Leu Ile His Glu  
 180 185 190  
 Gly Ala Asp Gly Val Gly Gln Gly Gln Asp Ser Gln His Glu Glu Ile  
 195 200 205  
 His Gly Gln Gln Glu Val Asp Val Leu Leu Gly Glu Tyr Phe Glu Lys  
 210 215 220  
 Glu Val Glu Pro Gln Glu Cys Ala Ala Gly Asp Asp Gly Glu Ala Gly  
 225 230 235 240  
 Gly Ile Pro Ala Gly Asp Cys Phe Arg His Val  
 245 250

<210> 198  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 198  
 Asp Asp Ile Ser Lys Ser Gln His Gly Lys Val Val Cys Phe Glu Ala  
 1 5 10 15  
 Phe Leu Gln Gln Ile Leu Gly Lys His Gln Phe Tyr  
 20 25

<210> 199  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 199  
 Gln Phe Tyr Trp Cys Leu Glu Gly Leu Gly His Cys His His Ile

1

5

10

15

Gly Ala Lys Tyr Pro Glu Asp Ile Val Asp Glu Glu  
20 25

<210> 200  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 200  
Ser Ile Lys Gly Glu Gly Gln Ala Lys Lys Val Val Gly Asn Pro Val  
1 5 10 15

Leu Pro Gln Gln Val Pro Asp Ala Asn Asp  
20 25

<210> 201  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 201  
Leu Leu Gly Glu Tyr Phe Glu Lys Glu Val Glu Pro Gln Glu Cys Ala  
1 5 10 15

Ala Gly Asp Asp Gly Glu Ala Gly Gly Ile  
20 25

<210> 202  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 202  
Leu Arg Ser Val Val Gln Asp His Pro Gly Gln His Gly Glu Thr Pro  
1 5 10 15

Ser Leu Leu Lys Ile Gln  
20

<210> 203  
<211> 93  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 203

Ile	Xaa	Xaa	Gly	Gln	Lys	Ile	Ser	Pro	Tyr	Phe	Lys	Met	Gln	Gln	Ser
1				5				10				15			

Ile	Asn	Lys	Ile	Leu	Ala	Ile	Phe	Leu	Asn	Asp	Thr	Phe	Phe	Tyr	Asn
			20					25				30			

Leu	Tyr	Arg	Lys	Leu	Ser	Ala	Arg	Ala	Arg	His	Arg	Val	Thr	Pro	Val
			35				40			45					

Ile	Pro	Ala	Leu	Trp	Glu	Ala	Lys	Ala	Gly	Gly	Ser	Pro	Glu	Val	Ser
	50				55				60						

Ser	Ser	Arg	Pro	Pro	Trp	Pro	Thr	Trp	Arg	Asn	Ser	Ile	Ser	Thr	Lys
	65				70				75			80			

Asn	Thr	Lys	Gln	Leu	Ala	Arg	Cys	Gly	Gly	Arg	Arg	Leu			
			85					90							

<210> 204

<211> 24

<212> PRT

<213> Homo sapiens

<400> 204

Tyr	Phe	Lys	Met	Gln	Gln	Ser	Ile	Asn	Lys	Ile	Leu	Ala	Ile	Phe	Leu
1			5					10				15			

Asn	Asp	Thr	Phe	Phe	Tyr	Asn	Leu								
			20												

<210> 205

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 205

Met	Phe	Tyr	Asn	Phe	Val	Arg	Gln	Leu	Asp	Thr	Val	Ser	Ile	Glu	His
1				5				10				15			

Ala	Gly	Lys	Ser	Lys	Leu	Lys	Met	Thr	Val	Gly	Thr	Lys	Leu	Thr	Ser
				20				25				30			

Gly	Xaa	Gly	Pro	Arg	Lys	Ser	Ser	Gln	Ser	Gly	Arg	Ile	Ala	Ala	Ser
				35				40			45				

Ile	Thr	Asp	Cys	Gln	Gln	Cys	Lys	Ala							
			50				55								

<210> 206  
<211> 46  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 206  
Met Glu Ala Ala Ile Leu Pro Leu Trp Leu Leu Phe Leu Gly Pro Xaa  
1 5 10 15  
  
Pro Glu Val Ser Phe Val Pro Thr Val Ile Phe Asn Leu Asp Phe Pro  
20 25 30  
  
Ala Cys Ser Ile Leu Thr Val Ser Ser Cys Leu Thr Lys Leu  
35 40 45

<210> 207  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 207  
Leu Leu Phe Ile Leu Leu His Leu His Leu Lys Leu Val Leu Asn Cys  
1 5 10 15  
  
Ser Ala Asn Ser Leu Val  
20

<210> 208  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 208  
Asn Ser Ala Arg Ala Ala Arg Ala Thr Phe Ser Val Gln Ser Met Gly  
1 5 10 15

<210> 209  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 209  
Met Leu Glu Arg Asn Leu Pro Gln Gly Arg Ala  
1 5 10

<210> 210  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 210  
Ala Thr Glu Pro Gln Phe Leu Gly Arg Ala Ala Ala Val Ser Ala Glu  
1 5 10 15  
Gly Lys Ala Val Gln Thr Ala Ile Leu Gly Gly Ala Met Ser Val Val  
20 25 30  
Ser Ala Cys Val Leu Leu Thr Gln Cys Leu Arg Asp Leu Ala Gln Pro  
35 40 45  
Arg Arg Gly Ala Lys Met Ser Asp His Arg Glu Arg Leu Arg Asn Ser  
50 55 60  
Ala Cys Ala Val Ser Glu Gly Cys Thr Leu Leu Ser Gln Ala Leu Arg  
65 70 75 80  
Glu Arg Ser Ser Pro Arg Thr Leu Pro Pro Val Asn Ser Asn Ser Val  
85 90 95  
Asn

<210> 211  
<211> 30  
<212> PRT  
<213> Homo sapiens

<400> 211  
Leu Gly Gly Ala Met Ser Val Val Ser Ala Cys Val Leu Leu Thr Gln  
1 5 10 15  
Cys Leu Arg Asp Leu Ala Gln Pro Arg Arg Gly Ala Lys Met  
20 25 30

<210> 212  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 212  
Cys Ala Val Ser Glu Gly Cys Thr Leu Leu Ser Gln Ala Leu Arg Glu  
1 5 10 15  
Arg Ser Ser Pro Arg Thr Leu Pro Pro  
20 25

<210> 213  
<211> 67  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (62)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 213  
Gln Phe Ser Thr Pro Lys Arg Thr Val Gly Ala Asn Arg Gln Ala Ile  
1               5               10               15

Asn Ala Ala Leu Thr Gln Ala Thr Arg Thr Thr Val Tyr Ile Val Asp  
20               25               30

Ile Gln Asp Ile Asp Ser Ala Ala Arg Ala Arg Pro His Ser Tyr Leu  
35               40               45

Asp Ala Tyr Phe Val Phe Pro Asn Gly Ser Ala Leu Thr Xaa Asp Glu  
50               55               60

Leu Ser Val  
65

<210> 214  
<211> 32  
<212> PRT  
<213> Homo sapiens

<400> 214  
Leu Thr Gln Ala Thr Arg Thr Thr Val Tyr Ile Val Asp Ile Gln Asp  
1               5               10               15

Ile Asp Ser Ala Ala Arg Ala Arg Pro His Ser Tyr Leu Asp Ala Tyr  
20               25               30

<210> 215  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 215  
Asn His Gly His Ser Cys Phe Leu Cys Glu Ile Val Ile Arg Ser Gln  
1               5               10               15

Phe His Thr Thr Tyr Glu Pro Glu Ala  
20               25

<210> 216  
<211> 48  
<212> PRT  
<213> Homo sapiens

<400> 216

Ser Gly Arg His Arg Val Glu Leu Gln Leu Leu Phe Pro Leu Val Arg  
 1                5                10                15

Val Asn Phe Glu Leu Gly Val Asn His Gly His Ser Cys Phe Leu Cys  
 20              25              30

Glu Ile Val Ile Arg Ser Gln Phe His Thr Thr Tyr Glu Pro Glu Ala  
 35              40              45

<210> 217  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 217  
Lys Phe Leu Asn Trp Ser Ile Ser Asp Ala Phe Val Lys  
 1                5                10

<210> 218  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 218  
Ile Lys Ile Phe Ser Cys Cys Arg Lys Ala Trp Val  
 1                5                10

<210> 219  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 219  
Phe Leu Ser Leu Leu Leu Ala Phe Ser Phe Ser Leu Phe Phe Phe  
 1                5                10                15

Phe Asn Arg Lys Cys Thr Met Gln Val His Arg Pro Gln Thr Lys Leu  
 20              25              30

Asp His Gln His Val His Val Gln Thr Ser Ala Val Ala Cys Thr Ala  
 35              40              45

Cys Ala Pro Gln Phe Leu Gln Cys Trp Phe Val Cys Phe Leu Ile Gln  
 50              55              60

His Pro Ala Gly Phe Thr Phe Gln Ala Arg Ser Val Ala Thr Pro Lys  
 65              70              75              80

Cys Val Leu Met Ser Ser Ser Leu Phe Ala Phe Leu Leu Thr Tyr Phe  
 85              90              95

Val Tyr

<210> 220  
<211> 23  
<212> PRT  
<213> Homo sapiens

<400> 220  
Val Gln Thr Ser Ala Val Ala Cys Thr Ala Cys Ala Pro Gln Phe Leu  
1 5 10 15  
Gln Cys Trp Phe Val Cys Phe  
20

<210> 221  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 221  
Ser Val Ala Thr Pro Lys Cys Val Leu Met Ser Ser Ser Leu Phe Ala  
1 5 10 15  
Phe Leu Leu

<210> 222  
<211> 33  
<212> PRT  
<213> Homo sapiens

<400> 222  
Ser Gln His Pro Glu Leu Gln Glu Gly Lys Ile Ser Ser Gln Ile Glu  
1 5 10 15  
Phe Tyr Ile Tyr His Phe Phe Gly Thr Phe Ser Pro Gln Asp Ser Asn  
20 25 30

Ile

<210> 223  
<211> 141  
<212> PRT  
<213> Homo sapiens

<400> 223  
Met Asn Ala Arg Gly Leu Gly Ser Glu Leu Lys Asp Ser Ile Pro Val  
1 5 10 15  
Thr Glu Leu Ser Ala Ser Gly Pro Phe Glu Ser His Asp Leu Leu Arg  
20 25 30  
Lys Gly Phe Ser Cys Val Lys Asn Glu Leu Leu Pro Ser His Pro Leu

35

40

45

Glu Leu Ser Glu Lys Asn Phe Gln Leu Asn Gln Asp Lys Met Asn Phe  
 50 55 60

Ser Thr Leu Arg Asn Ile Gln Gly Leu Phe Ala Pro Leu Lys Leu Gln  
 65 70 75 80

Met Glu Phe Lys Ala Val Gln Gln Val Gln Arg Leu Pro Phe Leu Ser  
 85 90 95

Ser Ser Asn Leu Ser Leu Asp Val Leu Arg Gly Asn Asp Glu Thr Ile  
 100 105 110

Gly Phe Glu Asp Ile Leu Asn Asp Pro Ser Gln Ser Glu Val Met Gly  
 115 120 125

Glu Pro His Leu Met Val Glu Tyr Lys Leu Gly Leu Leu  
 130 135 140

&lt;210&gt; 224

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 224

Leu Lys Asp Ser Ile Pro Val Thr Glu Leu Ser Ala Ser Gly Pro Phe  
 1 5 10 15

Glu Ser His Asp Leu Leu Arg  
 20

&lt;210&gt; 225

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 225

Gln Leu Asn Gln Asp Lys Met Asn Phe Ser Thr Leu Arg Asn Ile Gln  
 1 5 10 15

Gly Leu Phe Ala Pro  
 20

&lt;210&gt; 226

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 226

Gln Gln Val Gln Arg Leu Pro Phe Leu Ser Ser Ser Asn Leu Ser Leu  
 1 5 10 15

Asp Val Leu Arg Gly Asn  
 20

<210> 227  
<211> 38  
<212> PRT  
<213> Homo sapiens

<400> 227  
Glu Phe Gly Thr Arg Ala Ala Pro Gly Ser Leu Gly Ala Arg Gly Ser  
1 5 10 15  
Ala Ala Thr Pro Ser Gly Arg Pro Gln Lys Leu Arg Asp Pro Ser Gly  
20 25 30  
Thr Ser Gly Gln Pro Arg  
35

<210> 228  
<211> 73  
<212> PRT  
<213> Homo sapiens

<400> 228  
Asn Ser Ala Arg Gly Arg His Gln Gly Ala Trp Ala Pro Gly Ala Pro  
1 5 10 15  
Pro Arg Pro His Arg Val Asp His Arg Ser Ser Gly Thr Leu Pro Ala  
20 25 30  
Pro Leu Asp Ser Pro Gly Cys Cys Trp Pro Pro Ser Ser Ser Ser  
35 40 45  
Leu Glu Ala Leu Trp Pro Ile Gln Thr Gly Leu Phe Phe Gln Ile Met  
50 55 60  
Leu Val Arg Thr Pro Gln Gln Cys Ser  
65 70

<210> 229  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 229  
Gln Gly Ala Trp Ala Pro Gly Ala Pro Pro Arg Pro His Arg Val Asp  
1 5 10 15  
His Arg Ser Ser Gly Thr Leu Pro Ala  
20 25

<210> 230  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 230  
Leu Trp Pro Ile Gln Thr Gly Leu Phe Phe Gln Ile Met Leu Val Arg  
1 5 10 15

Thr Pro Gln

<210> 231  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 231  
Thr Met Ser Glu Leu Leu Gly Arg Asn Leu Gly Trp Glu Ala Ser Asp  
1 5 10 15

Pro Arg Leu His Pro Trp Leu Pro Gln Pro Ala Ala Ala Ser Lys Thr  
20 25 30

Lys Arg Glu  
35

<210> 232  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 232  
Ile Phe Arg Asn Ala His Ile Ile Val Gly Thr Asp Ser Phe Leu His  
1 5 10 15

Asp

<210> 233  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 233  
Gly Gly Asn Lys Tyr Gln Thr Ile Asp Asn Tyr Gln Pro Tyr Pro  
1 5 10 15

<210> 234  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 234  
Pro Leu Leu Gly Val Ser Ala Thr Leu Asn Ser Val Leu Asn Ser Asn  
1 5 10 15

Ala Ile Lys Asn  
20

<210> 235  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 235  
Gly Ser Ala Val Ser Ala Ala Pro Gly Ile Leu Tyr Pro Gly  
1               5                           10

<210> 236  
<211> 280  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (137)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (138)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 236  
Arg Ser Phe Ser Leu Ser Phe Ser Leu Leu Ser Pro Ser Glu Met Met  
1               5                           10                           15

Ala Leu Gly Ala Ala Gly Ala Thr Arg Val Phe Val Ala Met Val Ala  
20   25                                   30

Ala Ala Leu Gly Gly His Pro Leu Leu Gly Val Ser Ala Thr Leu Asn  
35   40                                   45

Ser Val Leu Asn Ser Asn Ala Ile Lys Asn Leu Pro Pro Pro Leu Gly  
50   55                                   60

Gly Ala Ala Gly His Pro Gly Ser Ala Val Ser Ala Ala Pro Gly Ile  
65   70                                   75                                   80

Leu Tyr Pro Gly Gly Asn Lys Tyr Gln Thr Ile Asp Asn Tyr Gln Pro  
85   90                                   95

Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly Thr Asp Glu Tyr Cys Ala  
100   105                                   110

Ser Pro Thr Arg Gly Gly Asp Ala Gly Val Gln Ile Cys Leu Ala Cys  
115   120                                   125

Arg Lys Arg Arg Lys Arg Cys Met Xaa Xaa Ala Met Cys Cys Pro Gly  
130   135                                   140

Asn Tyr Cys Lys Asn Gly Ile Cys Val Ser Ser Asp Gln Asn His Phe  
145   150                                   155                                   160

Arg Gly Glu Ile Glu Glu Thr Ile Thr Glu Ser Phe Gly Asn Asp His  
 165 170 175

Ser Thr Leu Asp Gly Tyr Ser Arg Arg Thr Thr Leu Ser Ser Lys Met  
 180 185 190

Tyr His Thr Lys Gly Gln Glu Gly Ser Val Cys Leu Arg Ser Ser Asp  
 195 200 205

Cys Ala Ser Gly Leu Cys Cys Ala Arg His Phe Trp Ser Lys Ile Cys  
 210 215 220

Lys Pro Val Leu Lys Glu Gly Gln Val Cys Thr Lys His Arg Arg Lys  
 225 230 235 240

Gly Ser His Gly Leu Glu Ile Phe Gln Arg Cys Tyr Cys Gly Glu Gly  
 245 250 255

Leu Ser Cys Arg Ile Gln Lys Asp His His Gln Ala Ser Asn Ser Ser  
 260 265 270

Arg Leu His Thr Cys Gln Arg His  
 275 280

<210> 237

<211> 8

<212> PRT

<213> Homo sapiens

<400> 237

Ser Ala Thr Leu Asn Ser Val Leu  
 1 5

<210> 238

<211> 7

<212> PRT

<213> Homo sapiens

<400> 238

Asn Ser Asn Ala Ile Lys Asn  
 1 5

<210> 239

<211> 7

<212> PRT

<213> Homo sapiens

<400> 239

Gly Gly Asn Lys Tyr Gln Thr  
 1 5

<210> 240

<211> 15

<212> PRT

<213> Homo sapiens

<400> 240

Asp Asn Tyr Gln Pro Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly  
1 5 10 15

<210> 241

<211> 6

<212> PRT

<213> Homo sapiens

<400> 241

Gly Val Gln Ile Cys Leu  
1 5

<210> 242

<211> 10

<212> PRT

<213> Homo sapiens

<400> 242

Pro Gly Asn Tyr Cys Lys Asn Gly Ile Cys  
1 5 10

<210> 243

<211> 6

<212> PRT

<213> Homo sapiens

<400> 243

Arg Gly Glu Ile Glu Glu  
1 5

<210> 244

<211> 18

<212> PRT

<213> Homo sapiens

<400> 244

Tyr His Thr Lys Gly Gln Glu Gly Ser Val Cys Leu Arg Ser Ser Asp  
1 5 10 15

Cys Ala

<210> 245

<211> 26

<212> PRT

<213> Homo sapiens

<400> 245

Gly Leu Cys Cys Ala Arg His Phe Trp Ser Lys Ile Cys Lys Pro Val  
1 5 10 15

Leu Lys Glu Gly Gln Val Cys Thr Lys His  
20 25

<210> 246  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 246  
Arg Lys Gly Ser His Gly Leu Glu Ile Phe  
1 5 10

<210> 247  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 247  
Gln Arg Cys Tyr Cys Gly Glu Gly Leu  
1 5

<210> 248  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 248  
Cys Arg Ile Gln Lys Asp His His Gln Ala Ser Asn Ser Ser Arg Leu  
1 5 10 15

His Thr Cys Gln Arg His  
20

<210> 249  
<211> 38  
<212> PRT  
<213> Homo sapiens

<400> 249  
Glu Gly Leu Cys Glu Gly Ala Val Gly Trp Asn Gly Gly Trp His Gly  
1 5 10 15

Thr Gly Thr Arg Glu Ala Ser Ser Pro Phe Ser Ala Thr Ser Lys Arg  
20 25 30

His Ser Ala Leu Pro Glu  
35

<210> 250  
<211> 76  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 250

Ser	Trp	Ser	Leu	Met	Phe	Ile	Leu	Lys	Leu	Ala	Ser	Leu	Phe	Arg	Leu
1				5				10						15	

Leu	Ile	Gln	Pro	Leu	Ala	Phe	Ser	Phe	Asn	Leu	Gly	Gln	Lys	Asn	Arg
				20				25					30		

Gln	His	Phe	Leu	Pro	Pro	Leu	Pro	His	His	His	Pro	Ile	Tyr	Ser	Phe
		35					40					45			

Ser	Leu	Tyr	Tyr	His	Asn	Ser	Pro	Lys	Arg	Pro	Lys	Ser	Ile	Ile	Lys
		50			55				60						

Ser	Asn	Asn	Leu	Ala	Ser	Asn	Leu	Asn	Pro	Ser	Ile				
		65				70				75					

&lt;210&gt; 251

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 251

Lys	Leu	Ala	Ser	Leu	Phe	Arg	Leu	Ile	Gln	Pro	Leu	Ala	Phe	Ser
1				5				10					15	

Phe	Asn	Leu	Gly	Gln											
		20													

&lt;210&gt; 252

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 252

Ser	Phe	Ser	Leu	Tyr	Tyr	His	Asn	Ser	Pro	Lys	Arg	Pro	Lys	Ser	Ile
1				5					10				15		

Ile	Lys	Ser	Asn												
		20													

&lt;210&gt; 253

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 253

Lys	Pro	Pro	Pro	Pro	Thr	Pro	Pro	Phe	Ala	Tyr	Thr	Thr	Pro	Leu	Leu
1				5						10				15	

Leu Ser

&lt;210&gt; 254

<211> 63  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 254  
Met Leu Ala Cys Arg Arg Leu Pro Met Ser Gln Asn Pro Leu Ser Met  
1 5 10 15

Leu Thr Leu Asp Thr Pro Leu Lys Pro Leu Ile Val Cys Ala Ser Gly  
20 25 30

Cys Glu Val Pro Ala Pro Cys Gly Xaa Cys Ala Cys Thr Xaa Pro Ala  
35 40 45

Leu Gln Phe Leu Cys Thr Tyr Ser Ser Ser Ala Val Leu Lys Cys  
50 55 60

<210> 255  
<211> 30  
<212> PRT  
<213> Homo sapiens

<400> 255  
Leu Pro Met Ser Gln Asn Pro Leu Ser Met Leu Thr Leu Asp Thr Pro  
1 5 10 15

Leu Lys Pro Leu Ile Val Cys Ala Ser Gly Cys Glu Val Pro  
20 25 30

<210> 256  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 256  
Ala Phe Gly Asp Thr Asp Ile Arg Gln Leu Phe Phe Ala  
1 5 10

<210> 257  
<211> 45  
<212> PRT  
<213> Homo sapiens

<400> 257  
Arg Gly Ile Ser Val Leu Arg Arg Val Trp Gly Gln Pro Trp Arg Leu

1

5

10

15

Gln Val Phe Ser Leu Pro Gln Gln Ser Pro Ala Gly Ala Pro Thr Gly  
 20 25 30

Ser Gln Arg Gly Met Ala Ala Thr Asp Phe Val Gln Glu  
 35 40 45

&lt;210&gt; 258

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 258

Pro Glu Glu Ala Ser Phe Ala Cys Glu Gly Cys Gly Pro Pro Leu Pro  
 1 5 10 15

Trp Ala Cys Ser Pro Gly Trp  
 20

&lt;210&gt; 259

&lt;211&gt; 108

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 259

Lys Tyr Met Leu Tyr Arg Pro Gln Ala Ala Leu Asp Leu Val Ser Asp  
 1 5 10 15

Thr Ser Asp Gln Lys Lys Pro Val Leu Arg Val Arg Gly Val Gly Pro  
 20 25 30

Arg Cys Leu Gly Pro Ala His Arg Gly Gly Trp Thr Pro Ala Gly Ser  
 35 40 45

Gln Pro Ala Val Thr Ser Gly Leu Leu Ala Ser Ser Ala Ser Gly Leu  
 50 55 60

Leu Gly Ser Pro Ala Leu Cys Pro Ser Val Thr Ser Leu Ser Gly Cys  
 65 70 75 80

Pro Val Leu Ala Ala Leu Ser Phe Val Arg Ile Thr Pro Ser Phe Phe  
 85 90 95

Phe Ser Pro Asn Thr Ser Ser Pro Ile Ile Leu Arg  
 100 105

&lt;210&gt; 260

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 260

Asp Gln Lys Lys Pro Val Leu Arg Val Arg Gly Val Gly Pro Arg Cys  
 1 5 10 15

Leu Gly Pro Ala His Arg Gly Gly Trp Thr Pro Ala  
20 25

<210> 261  
<211> 28  
<212> PRT  
<213> Homo sapiens

<400> 261  
Gln Pro Ala Val Thr Ser Gly Leu Leu Ala Ser Ser Ala Ser Gly Leu  
1 5 10 15

Leu Gly Ser Pro Ala Leu Cys Pro Ser Val Thr Ser  
20 25

<210> 262  
<211> 151  
<212> PRT  
<213> Homo sapiens

<400> 262  
Gln Arg Ile Ile Thr Val Ser Met Glu Asp Val Lys Ile Leu Leu Thr  
1 5 10 15

Gln Glu Asn Pro Phe Phe Arg Lys Leu Ser Ser Glu Thr Tyr Ser Gln  
20 25 30

Ala Lys Asp Leu Ala Lys Gly Ser Ile Val Leu Lys Tyr Glu Pro Asp  
35 40 45

Ser Ala Asn Pro Asp Ala Leu Gln Cys Pro Ile Val Leu Cys Gly Trp  
50 55 60

Arg Gly Lys Ala Ser Ile Arg Thr Phe Val Pro Lys Asn Glu Arg Leu  
65 70 75 80

His Tyr Leu Arg Met Met Gly Leu Glu Val Leu Gly Glu Lys Lys Lys  
85 90 95

Glu Gly Val Ile Leu Thr Asn Glu Ser Ala Ala Ser Thr Gly Gln Pro  
100 105 110

Asp Asn Asp Val Thr Glu Gly Gln Arg Ala Gly Glu Pro Asn Ser Pro  
115 120 125

Asp Ala Glu Glu Ala Asn Ser Pro Asp Val Thr Ala Gly Cys Asp Pro  
130 135 140

Ala Gly Val His Pro Pro Arg  
145 150

<210> 263  
<211> 25  
<212> PRT

<213> Homo sapiens

<400> 263

Asp Val Lys Ile Leu Leu Thr Gln Glu Asn Pro Phe Phe Arg Lys Leu  
1 5 10 15

Ser Ser Glu Thr Tyr Ser Gln Ala Lys  
20 25

<210> 264

<211> 28

<212> PRT

<213> Homo sapiens

<400> 264

Ala Lys Gly Ser Ile Val Leu Lys Tyr Glu Pro Asp Ser Ala Asn Pro  
1 5 10 15

Asp Ala Leu Gln Cys Pro Ile Val Leu Cys Gly Trp  
20 25

<210> 265

<211> 28

<212> PRT

<213> Homo sapiens

<400> 265

Leu His Tyr Leu Arg Met Met Gly Leu Glu Val Leu Gly Glu Lys Lys  
1 5 10 15

Lys Glu Gly Val Ile Leu Thr Asn Glu Ser Ala Ala  
20 25

<210> 266

<211> 25

<212> PRT

<213> Homo sapiens

<400> 266

Ala Gly Glu Pro Asn Ser Pro Asp Ala Glu Glu Ala Asn Ser Pro Asp  
1 5 10 15

Val Thr Ala Gly Cys Asp Pro Ala Gly  
20 25

<210> 267

<211> 14

<212> PRT

<213> Homo sapiens

<400> 267

Ile Leu Phe Ala Ala Ser Lys Gly Asp Asp Phe Gln Ala Asp  
1 5 10

<210> 268  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 268  
Ile Leu Phe Ala Ala Ser Lys Gly Asp Asp Phe Gln Ala Asp  
1 5 10

<210> 269  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 269  
Leu Tyr Ala Gln Lys Leu Gly Ala Thr Cys Phe Cys Thr Asp Cys Arg  
1 5 10 15

Ser Lys

<210> 270  
<211> 81  
<212> PRT  
<213> Homo sapiens

<400> 270  
Ala Gly Ile Gln His Glu Leu Ala Cys Asp Asn Pro Gly Leu Pro Glu  
1 5 10 15

Asn Gly Tyr Gln Ile Leu Tyr Lys Arg Leu Tyr Leu Pro Gly Glu Ser  
20 25 30

Leu Thr Phe Met Cys Tyr Glu Gly Phe Glu Leu Met Gly Glu Val Thr  
35 40 45

Ile Arg Cys Ile Leu Gly Gln Pro Ser His Trp Asn Gly Pro Leu Pro  
50 55 60

Val Cys Lys Val Ala Glu Ala Ala Glu Thr Ser Leu Glu Gly Gly  
65 70 75 80

Asn

<210> 271  
<211> 27  
<212> PRT  
<213> Homo sapiens

<400> 271  
Gln Pro Ser His Trp Asn Gly Pro Leu Pro Val Cys Lys Val Ala Glu  
1 5 10 15

Ala Ala Ala Glu Thr Ser Leu Glu Gly Gly Asn  
 20 25

<210> 272  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 272  
 Tyr Glu Thr Gly Glu Thr Arg Glu Tyr Glu Val Ser Ile  
 1 5 10

<210> 273  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 273  
 Trp Val Glu Lys Gly Glu Arg Gly Val Gly Pro Asp Thr Lys Glu Met  
 1 5 10 15

Phe Ser Ala Ile Asn Gln Leu Gln Asn Lys  
 20 25

<210> 274  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<400> 274  
 Gly Thr Ser Pro Lys Cys Trp Asp Tyr Arg Glu Leu Met Lys Val Glu  
 1 5 10 15

<210> 275  
 <211> 52  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 275  
 His Glu Pro Lys Val Leu Gly Leu Gln Gly Val Asp Glu Ser Gly Asp  
 1 5 10 15

Val Phe Arg Ala Thr Tyr Ala Ala Phe Arg Cys Ser Pro Ile Ser Gly  
 20 25 30

Leu Leu Glu Ser His Gly Ile Gln Lys Val Ser Ile Thr Phe Xaa Pro

35

40

45

Arg Gly Arg Gly  
50

<210> 276  
<211> 51  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 276  
Asp Tyr Xaa Gln Phe Trp Asp Val Glu Cys His Pro Leu Lys Glu Pro  
1 5 10 15

His Met Lys His Thr Leu Arg Phe Gln Leu Ser Gly Gln Ser Ile Glu  
20 25 30

Ala Glu Asn Glu Pro Glu Asn Ala Cys Leu Ser Thr Asp Ser Leu Ile  
35 40 45

Lys Ile Asp  
50

<210> 277  
<211> 51  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 277  
His Leu Val Lys Pro Arg Arg Gln Ala Val Ser Glu Ala Ser Ala Arg  
1 5 10 15

Ile Pro Asp Xaa Gln Leu Asp Val Thr Ala Arg Gly Val Tyr Ala Pro  
20 25 30

Glu Asp Val Tyr Arg Phe Leu Pro Thr Ser Val Gly Glu Ser Arg Thr  
35 40 45

Leu Lys Val  
50

<210> 278  
<211> 34  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 278

Asn	Leu	Arg	Asn	Asn	Ser	Phe	Ile	Thr	His	Ser	Leu	Lys	Phe	Leu	Ser
1															15

Pro	Arg	Glu	Pro	Phe	Tyr	Val	Lys	His	Ser	Lys	Tyr	Ser	Leu	Arg	Ala
															30
									25						

Gln His

&lt;210&gt; 279

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 279

Glu	Asn	Leu	Ser	Thr	Ser	Cys	Val	Ser	Cys	Gln	Val	Val	Phe	Val	Thr
1															15

Ser	Glu	Pro	Ala	Leu	Thr	Leu	Pro	Thr	Tyr	His	Val	Met	Leu	Ile	Ser
															30
									25						

Pro	Thr	Val	Pro	Cys	Cys	Ile	Gly	Ser	Ala	Leu	Arg	Ala	Glu	Ile
						35	40							45

&lt;210&gt; 280

&lt;211&gt; 195

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (161)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 280

Asp	Asp	Asp	Gly	Leu	Pro	Phe	Pro	Thr	Asp	Val	Ile	Gln	His	Arg	Leu
1															15

Arg	Gln	Ile	Glu	Ala	Gly	Tyr	Lys	Gln	Glu	Val	Glu	Gln	Leu	Arg	Arg
															30
								20	25						

Gln	Val	Arg	Asp	Ser	Asp	Glu	Xaa	Gly	His	Pro	Ser	Leu	Leu	Cys	Pro
															35
									40						45

Ser	Ser	Arg	Ala	Pro	Met	Asp	Tyr	Glu	Asp	Asp	Phe	Thr	Cys	Leu	Lys
															50
									55						60

Glu	Ser	Asp	Gly	Ser	Asp	Thr	Glu	Asp	Phe	Gly	Ser	Asp	His	Ser	Glu
															65
									70				75		80

Asp Cys Leu Ser Glu Ala Ser Trp Glu Pro Val Asp Lys Lys Glu Thr  
                   85                         90                         95  
 Glu Val Thr Arg Trp Val Pro Asp His Met Ala Ser His Cys Tyr Asn  
                   100                     105                     110  
 Cys Asp Cys Glu Phe Trp Leu Ala Lys Arg Arg His His Cys Arg Asn  
                   115                     120                     125  
 Cys Gly Asn Val Phe Cys Ala Gly Cys Cys His Leu Lys Leu Pro Ile  
                   130                     135                     140  
 Pro Asp Gln Gln Leu Tyr Asp Pro Val Leu Val Cys Asn Ser Cys Tyr  
                   145                     150                     155                 160  
 Xaa Thr His Ser Ser Leu Ser Cys Gln Gly Thr His Glu Pro Thr Ala  
                   165                     170                     175  
 Glu Glu Thr His Cys Tyr Ser Phe Gln Leu Asn Ala Gly Glu Lys Pro  
                   180                     185                     190  
 Val Gln Phe  
                   195

<210> 281  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 281  
 Ser Glu Ala Ser Trp Glu Pro Val Asp Lys Lys Glu Thr Glu Val Thr  
     1                 5                     10                     15  
 Arg Trp Val Pro Asp His Met Ala Ser His Cys Tyr  
     20                     25

<210> 282  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 282  
 His His Cys Arg Asn Cys Gly Asn Val Phe  
     1                 5                     10

<210> 283  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 283  
 Arg Leu Arg Gln Ile Glu Ala Gly Tyr Lys Gln Glu Val Glu  
     1                 5                     10

<210> 284  
<211> 40  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 284  
Val Asn Lys Ser Asn Gly Arg Xaa His Gly Arg Arg Ala Tyr Arg Xaa  
1 5 10 15  
Ser Leu Ser Ile Ala Phe Pro Arg Lys Pro Gln Phe Arg His Arg Ser  
20 25 30  
Pro Glu Val Ser Pro Ser Asp Leu  
35 40

<210> 285  
<211> 39  
<212> PRT  
<213> Homo sapiens

<400> 285  
Ser Pro Ile Pro Ser Glu Glu Val Lys Glu Ile Pro His Arg Tyr Arg  
1 5 10 15  
Gly Ser Arg Cys Pro Arg Thr Ser Asn Ser Arg Phe Gly Pro Arg Arg  
20 25 30  
Leu Ala Pro Thr Ser Thr Thr  
35

<210> 286  
<211> 39  
<212> PRT  
<213> Homo sapiens

<400> 286  
Ser Pro Ile Pro Ser Glu Glu Val Lys Glu Ile Pro His Arg Tyr Arg  
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Gly Ser Arg Cys Pro Arg Thr Ser Asn Ser Arg Phe Gly Pro Arg Arg  
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Leu Ala Pro Thr Ser Thr Thr  
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<210> 287  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 287  
Trp Gln Glu Ala Glu Met Asp Met Ala Trp Gln Lys Ser Ile  
1 5 10

<210> 288  
<211> 20  
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<213> Homo sapiens

<400> 288  
Met Ala Ser Ser Asp Glu His Ser Ser Ile Leu Gln Gly Leu Leu Ser  
1 5 10 15

His His Ser Leu  
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<210> 289  
<211> 44  
<212> PRT  
<213> Homo sapiens

<400> 289  
Lys Arg Gln Pro Thr Ser Ala Met Lys Asp Pro Ser Arg Ser Ser Thr  
1 5 10 15

Ser Pro Ser Ile Ile Asn Glu Asp Val Ile Ile Asn Gly His Ser His  
20 25 30

Glu Asp Asp Asn Pro Phe Ala Glu Tyr Met Trp Met  
35 40

<210> 290  
<211> 45  
<212> PRT  
<213> Homo sapiens

<400> 290  
Glu Asn Glu Glu Glu Phe Asn Arg Gln Ile Glu Glu Glu Leu Trp Glu  
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Glu Glu Phe Ile Glu Arg Cys Phe Gln Glu Met Leu Glu Glu Glu  
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Glu His Glu Trp Phe Ile Pro Ala Arg Asp Leu Pro Gln  
35 40 45

<210> 291  
<211> 45

<212> PRT  
<213> Homo sapiens

<400> 291  
Thr Met Asp Gln Ile Gln Asp Gln Phe Asn Asp Leu Val Ile Ser Asp  
1 5 10 15  
Gly Ser Ser Leu Glu Asp Leu Val Val Lys Ser Asn Leu Asn Pro Asn  
20 25 30  
Ala Lys Glu Phe Val Pro Gly Val Lys Tyr Gly Asn Ile  
35 40 45

<210> 292  
<211> 87  
<212> PRT  
<213> Homo sapiens

<400> 292  
Met Ser His Cys Ala Arg Pro Leu Phe Phe Glu Thr Phe Phe Ile Leu  
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Leu Ser Pro Arg Leu Lys Cys Ser Gly Thr Asn Thr Val His Tyr Ser  
20 25 30  
Leu Asp Leu Leu Gly Ser Ser Asn Ser Ala Ser Val Pro Gln Val Gly  
35 40 45  
Gly Leu Thr Asn Ala Gln His Asp Thr Trp Leu Ile Phe Val Phe Cys  
50 55 60  
Val Cys Val Cys Glu Pro Leu Arg Arg Pro Trp Ala Ala Phe Leu Ile  
65 70 75 80  
Ser Val Thr Ser Ser Ile Lys  
85

<210> 293  
<211> 30  
<212> PRT  
<213> Homo sapiens

<400> 293  
Val Pro Gln Val Gly Gly Leu Thr Asn Ala Gln His Asp Thr Trp Leu  
1 5 10 15  
Ile Phe Val Phe Cys Val Cys Val Cys Glu Pro Leu Arg Arg  
20 25 30

<210> 294  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 294

Pro Arg Asp Leu Pro Ala Ser Ala Ser Gln Ser Ala Arg Ile Thr Gly  
1 5 10 15